CKE®
THE FAN COMPANY

AXIAL CATALOGUE

SPECIALIZED IN BUILDING & INDUSTRIAL VENTILATION

PT. Industrial Multi Fan
SPECIALIZED IN BUILDING & INDUSTRIAL VENTILATION

JL.Hayam Wuruk no.111 blok QQ/RR
Jakarta 11160

+62 21 6491491
+62 21 6250726

www.cke.co.ids
sales.project@cke.co.id
mfan@cbn.net.id

SPECIALIZED IN BUILDING AND INDUSTRIAL VENTILATION

PT. Industrial Multi Fan
SPECIALIZED IN BUILDING & INDUSTRIAL VENTILATION

Content

Content



About Company

About Company

PT.Industrial Multi Fan is a company was Specializing in industrial fan and blower, starting operation in 1988. It's one of leading fan companies in Indonesia.

We provide all kind of needs fan & blower for industry & building. The company has growth rapidly since been established, until today has own some dealers in Jakarta and branch in major cities Indonesia.

With more than 20 years experience in fan & blower, now we have own test lab fan & blower accordance to AMCA 210-99 within test fan capacity 150.000 CMH (m^3/H) and static pressure up to 2.000 Pa (Pascal). All sort of effort has been done to increasing our service to customer by mission "Customer Satisfaction".

Through vision and mission PT. Industrial Multi Fan always give the best to product quality, service, and sales. It's been our pride to contribute constructively for market development in Indonesia.

PT.Industrial Multi Fan adalah perusahaan yang khusus bergerak dibidang indsutri kipas angin dan blower, mulai beroperasi pada tahun 1988, dan sekarang merupakan salah satu perusahaan kipas angin & blower yang terkemuka di Indonesia.

Kami menyediakan segala macam kipas angin dan blower untuk kebutuhan di industri dan gedung. Perusahaan kami telah berkembang dengan pesat, sejak didirikan hingga sekarang telah memiliki beberapa dealer dan cabang – cabang dibeberapa kota besar di Indonesia.

Dengan pengalaman lebih dari 20 tahun dibidang kipas & blower, dan sekarang kami telah memiliki lab pengujian kipas & blower yang sesuai dengan persyaratan AMCA 210-99 dengan uji kapasitas kipas sampai dengan 150.000 CMH (m^3/H) dan tekanan statis sampai dengan 2.000 Pa (Pascal). Semua ini kami upayakan untuk meningkatkan pelayanan kami terhadap pelanggan sesuai dengan misi kami yaitu "kepuasaan pelanggan"

Melalui visi dan misi PT.Industrial Multi Fan yang akan selalu memberikan terbaik kualitas produk, layanan, serta purna jual. Merupakan kebanggaan bagi kami untuk memberikan kontribusi yang membangun bagi perkembangan pasar di Indonesia

Costumer List

Factory

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Agarindo Bogatama	Pabrik Agar	2008	Indonesia	Jawa Barat	Owner	Axial, Centrifugal
PT.Petra Mega Kencana	Harvey Nichols	2008	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal, Ceilling
PT.Denki Engineering	Kayaba - Bekasi	2009	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Encona Inti Industri	Bekaert Advance Filtration - Karawang	2009	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Kinden Indonesia	Mandom Bekasi	2009	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Nanda Karya Sakti	Federal Nittan - Karawang	2009	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Nanda Karya Sakti	SIS Adaro	2009	Indonesia	Jawa Tengah	Contractor	Axial,Ceiling,Wall Fan
PT.Tatametrika Nusantara	Pabrik Sanyo Jay Component Karawang	2010	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Engindo Nusa	PLTU - Cirebon	2010	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan,Roof Fan,Flame Proof
PT.Cakra Inti Agung	Parik Sari Roti - Cibitung MM2100	2011	Indonesia	Jawa Barat	Contractor	Centrifugal
PT.Kinden Indonesia	SUNSTAR - Cibitung	2011	Indonesia	Jawa Barat	Contractor	Car Park Blower
PT.Pradiptaya	Pabrik Santos Jaya Abadi II - Karawang	2011	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Kinden Indonesia	MHCI 2 - MM2100 - Bekasi	2012	Indonesia	Jawa Barat	Contractor	Car Park Blower
PT.Lestari Mitra Niaga	Power Plant Palembang	2012	Indonesia	Sumatra Selatan	Contractor	Axial,Centrifugal,Ceiling,Wall Fan
PT.Cakra Inti Agung	Parik Sari Roti - Palembang	2012	Indonesia	Sumatra Selatan	Contractor	Centrifugal

Costumer List

Building

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Adhi Karya (Persero).Tbk	Univ.Taruma Negara	2006	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Elprima Kencana	Gedung M.Satrio	2006	Indonesia	DKIJakarta	Contractor	Axial,Ceilling,Wall Fan
PT.Elprima Kencana	Gedung BNI - Bekasi	2006	Indonesia	Jawa Barat	Contractor	Axial,Ceilling,Wall Fan
PT.Glenindo Citramandiri	Gedung Bengalon	2006	Indonesia	DKIJakarta	Contractor	Axial,Ceilling,Wall Fan
PT.Neksusindo Cahaya Gemilang	Gedung BPD Aceh	2006	Indonesia	DI.Banda Aceh	Contractor	Axial,Ceilling,Wall Fan
PT.Neksusindo Cahaya Gemilang	Gedung Pajak Riau	2006	Indonesia	Sumatra Barat	Contractor	Axial,Ceilling,Wall Fan
PT.Pembangunan Perumahan(Persero).Tbk	Gedung DEP.Dalam Negeri	2006	Indonesia	DKIJakarta	Contractor	Axial,Ceilling,Wall Fan
PT.Adhi Karya (Persero).Tbk	Gd.SETNEG	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Adhi Karya (Persero).Tbk	Gd.Menteng Office Park	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Kurnia Cahaya Subur Lestari	Patria Park Apartement	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Megacitra Sentral Persada	Gedung UPI - Bandung	2007	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Neksusindo Cahaya Gemilang	Taman Rasuna	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Nuren Samijaya	Gedung LEMIGAS I	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Primajagat Nusa	Marbella Kemang	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Primajagat Nusa	JACC City Walk	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Waskita Karya	PP & ATK	2007	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Adhi Karya (Persero).Tbk	Gd.Dept.Kelautan & Perikanan	2008	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling,
PT.Adhi Karya (Persero).Tbk	Gd.Ktr.PP SDM Kesehatan	2008	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Adhi Karya (Persero).Tbk	Gedung Ktr.KPP - Serang	2008	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Adhi Karya (Persero).Tbk	Gedung Arsip Pemda DKI Jakarta	2008	Indonesia	DKIJakarta	Contractor	Axial,Ceiling
PT.Adhi Karya (Persero).Tbk	Gedung Griya Niaga 2 Bintaro	2008	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Adhi Karya (Persero).Tbk	Gedung STAN	2008	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Adhi Karya (Persero).Tbk	Gedung ISI - Yogyakarta	2008	Indonesia	Jawa Tengah	Contractor	Axial,Ceiling,Wall Fan
PT.Anekabangun Eka Pratama	Gedung Dept.Pertanian	2008	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Dian Kartika Jaya	Gedung Dept.Agama RI	2008	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Dian Kartika Jaya	Gedung BNN Lido - Bogor	2008	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal,Ceiling, Wall Fan

Costumer List

Building

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Dwi Berkah Arga Kencana	Gedung GEMS Centre	2008	Indonesia	DKI.Jakarta	Owner	Axial, Ceiling
PT.Dwiwahana Handayaprima	PRJ Hall D	2008	Indonesia	DKI.Jakarta	Contractor	Centrifugal
PT.Inti Nusantara	Gedung Bank JABAR - Bandung	2008	Indonesia	Jawa Barat	Contractor	Axial, Ceiling
PT.Jaga Citra Inti	Gedung Univ.BINUS - Taman Anggrek	2008	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Jayantara Artha Mandiri	Season City Apartemen	2008	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling
PT.Lince Romauli Raya Countraction	KUKM Semsco	2008	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling
PT.Adhi Karya (Persero).Tbk	Gedung Arsip Pemda.DKI - Jakarta	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Adhi Karya (Persero).Tbk	Gedung Bapelkes RI Batam Tahap II	2009	Indonesia	Kepulauan Riau	Contractor	Axial,Ceiling,Wall Fan
PT.Alkonusa Teknik Inti	Entertaint TTE	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Bayu Sukses Pratama	Gedung BLK Condet	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Cahaya Teknindi Manjumandiri	Gedung STAN - Bintaro	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Cakra Inti Agung	Gardenia Boulevard	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Djasa Ubersakti	Kemayoran Tower	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Duta Anggada Reality.Tbk	Cik Di Tiro Residence	2009	Indonesia	DKI.Jakarta	Owner	Ceiling
PT.Hutama Karya (Persero).Tbk	Gedung Grapari Telkomsel - BSD	2009	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Indo Jaya Sukses Makmur	Rusun Nias Residence - Kelapa Gading	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Indo Jaya Sukses Makmur	Gedung UNHAS - Makasar	2009	Indonesia	Sulawesi	Contractor	Axial,Ceiling,Wall Fan
PT.Indo Jaya Sukses Makmur	GOR	2009	Indonesia	Sulawesi Selatan	Contractor	Axial,Ceiling,Wall Fan
PT.Jaya Teknik Indonesia	The Lavande Apartemen	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Kencana Mas Sentosa	Club House Gunung Geulis	2009	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Kotindo Panca Manunggal	Univ.Multi Media Nusantara	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Kotindo Panca Manunggal	Swiss German University	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Mitramas Arta Griya	Univ.UIN - Makasar	2009	Indonesia	Sulawesi Selatan	Contractor	Axial,Ceiling,Wall Fan
PT.Pelitamaju Multiswakarsa	Garden Centre	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.PP Dirganeka	Gedung STTD	2009	Indonesia	Jawa Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Prabu Sakti Abadi	UN J Rawamangun	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan

Costumer List

Building

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Prasida Raharja	Apartemen Senopati Suite	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Sinar Arta Mulia	L.J.Meritus - Surabaya	2009	Indonesia	Jawa Timur	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Wahyu Delta Parama	GKY Mabes	2009	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Adhi Karya (Persero).Tbk	BPK Bengkulu	2010	Indonesia	Sumatra Selatan	Contractor	Axial,Ceiling,Wall Fan
PT.Alkonusa Teknik Inti	MT Haryono Square	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Citra Persada Engindo Nusa	USU - Medan	2010	Indonesia	Sumatra Utara	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Dian Kartika Jaya	Gedung DEPAG	2010	Indonesia	DKI.Jakarta	Contractor	Centrifugal,Ceiling
PT.Hardi Agung Perkasa	Central ParkSOGO Dept.Store	2010	Indonesia	DKI.Jakarta	Contractor	Axial Bifurcated
PT.Hardi Agung Perkasa	Cosmo Terrace - Tanah Abang	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Jayantara Artha Mandiri	Season City	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Kurnia Cahaya Suburlestari	BPK Banten	2010	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Megasurya Nusalestari	Apartemen MTC Manado	2010	Indonesia	Sulawesi Utara	Contractor	Axial,Ceiling,Wall Fan
PT.Neksusindo Cahaya Gemilang	Apartement Central Park	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling
PT.Prakarsa Semesta Alam	The South Essence on Darmawangsa	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Prima Jagat Nusa	Blue Mall Bekasi	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Pulau Intan Baja Perkasa	Gedung ISS Bintaro	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Pulau Intan Baja Perkasa	Singapore International School-Semarang	2010	Indonesia	Jawa Tengah	Contractor	Axial,Ceiling,Wall Fan
PT.Sakata Helga JO	Kalibata Residence (Tower A,B,C)	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Sakata Helga JO	Kalibata Residence (Tower D,E,F)	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Saranacitra Dutajaya	Fun Season	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Sinar Artha Mulia	Budha Tzu Chi School	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Tatametrika Nusantara	Office Dinamika	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Totalindo Eka Persada	Kalibata Residence (Tower 1B-H,J,K)	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Wahana Aselcom Utama	Gedung Prasetya Mulya	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Wahyu Delta Parama	De Paradiso Apartement Tower A	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Karya (persero).Tbk	Apartemen Cervino Village	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan

Costumer List

Building

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Adhi Karya (Persero).Tbk	Gedung LEMIGAS III	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Agung Sedayu Permai (ASG Group)	Town House Ancol Masion	2011	Indonesia	DKI Jakarta	Owner	Axial,Ceiling
PT.Alkonusa Teknik Inti	Belmont Residence Apartement	2011	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal,Ceiling Wall Fan
PT.Cahaya Agung Makmur (ASG Group)	Ancol Mansion Apartement	2011	Indonesia	DKI Jakarta	Owner	Axial,Centrifugal,Ceiling Wall Fan
PT.Cipta Sejahtera Lestari	Gedung Grand Soho Slipi	2011	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal,Ceiling Wall Fan
PT.Hutama Karya (Persero).Tbk	Sentral Timur Residence	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Hutama Karya (Persero).Tbk	Taum Kumala - Bali	2011	Indonesia	Bali	Contractor	Axial,Ceiling,Wall Fan
PT.Hutama Karya (Persero).Tbk	Apartement Niffaro Tower A	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Indo Jaya Sukses Makmur	Univ.IAIN - Aceh	2011	Indonesia	DI.Aceh	Contractor	Axial,Ceiling,Wall Fan
PT.Indo Jaya Sukses Makmur	Gedung IAIN AR Raniry	2011	Indonesia	DI.Aceh	Contractor	Axial,Ceiling,Wall Fan
PT.Indo Jaya Sukses Makmur	Gedung IAIN Ambon	2011	Indonesia	Maluku	Contractor	Axial,Ceiling,Wall Fan
PT.Iskaba Pratama	Tarsisius School	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Jaya Teknik Indonesia	Thamrin Executive Residence	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Megacitra Sentral Persada	Gedung DPRD Kota Pekanbaru - Riau	2011	Indonesia	Riau	Contractor	Axial,Ceiling,Wall Fan
PT.Mitramas Arta Griya	Gedung Rektorat UNPAD - Bandung	2011	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Mitramas Arta Griya	POLTEKES - Bandung	2011	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Pembangunan Perumahan(Persero).Tbk	The Wave Aparetement	2011	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Pradiptaya	Gedung Pusat PLN -Jakarta	2011	Indonesia	DKI Jakarta	Contractor	Centrifugal Duct Inline
PT.Sakata Helga JO	Kalibata Tower D'Mezanine	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Saranacitra Dutajaya	Season City Tower C	2011	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Summarecon Agung,Tbk	Summarecon Kelapa Gading	2011	Indonesia	DKI Jakarta	Owner	Ceiling Duct
PT.Talametrika Nusantara	Graha Sentral Sunter	2011	Indonesia	DKI Jakarta	Contractor	Axial,Wall Fan
PT.Totalindo Eka Persada	Apartement Green Palace MVAC	2011	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Wahyu Delta Parama	De Paradiso Apartement Tower B	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Karya (persero).Tbk	Gedung TTC Telkomsel 2 - Surabaya	2011	Indonesia	Jawa Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Karya (persero).Tbk	Faculty Club UI-Depok	2011	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan



Costumer List

Building

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Alkonusa Teknik Inti	Gedung POLDA Metro Jaya	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Alkonusa Teknik Inti	Serpong Town Square	2012	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Arah Sejahtera Abadi (APG Group)	Kuningan City	2012	Indonesia	DKIJakarta	Owner	Ceiling
PT.Agung Sedayu Permai	Town House Ancol Mansion	2012	Indonesia	DKIJakarta	Owner	Axial,Ceiling,Wall Fan
PT.Bangun Kharisma Prima	Trans Jakarta	2012	Indonesia	DKIJakarta	Contractor	Ceiling,Wall Fan
PT.Citra Sejati Prima Lestari	Apartemen PALAZZO - Kemayoran	2012	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Girikon Agung Nugraha	Gedung BPK	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Hardi Agung Perkasa	Green BayTahapIA	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Mardi Agung Perkasa	Green BayTahapIB	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Intraco Lestari	Gedung BP3IP-Sunter	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Iskaba Pratama	KCP - Semarang	2012	Indonesia	Jawa Tengah	Contractor	Axial,Ceiling,Wall Fan
PTJaga Citra Inti	Sunter Icon	2012	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PTJaya Teknik Indonesia	Terminal Pulo Gadung	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Megacipta Sentral Persada	Gedung POLTEK Negeri - Batam	2012	Indonesia	Riau	Contractor	Axial,Ceiling,Wall Fan
PT.Mitramas Arta Griya	UN J Rawamangun	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Prabu Sakti Abadi	Show Room NISAN -Jogya	2012	Indonesia	Jawa Tengah	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Prabu Sakti Abadi	Show Room NISAN - Kerawang	2012	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Prabu Sakti Abadi	Show Room NISAN - Solo	2012	Indonesia	Jawa Tengah	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Propindo Sedayu (ASG Group)	Apartemen Margonda	2012	Indonesia	Jawa Barat	Owner	Axial,Centrifugal,Ceiling, Wall Fan
PT.Pulau Intan Baja Perkasa	Gedung [illegible] Teluk Betung	2012	Indonesia	Lampung	Contractor	Axial,Ceiling,Wall Fan
PT.Roda Prima	The CEO'S Building [illegible]	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Sakata Utama	Green Lake Apartement Tahap I	2012	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Sakata Utama	Pakubuwono Terrace	2012	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Saranacitra Dutajaya	Gedung Roda Mas - Slipi	2012	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Serpong Cipta Kreasi (SMA Group)	Scientia Residence	2012	Indonesia	DKIJakarta	Owner	Ceiling Duct
PT.Summarecon Agung,Tbk	Sherwood Residence Apartemen	2012	Indonesia	Banten	Owner	Ceiling Duct

Costumer List

Building

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Tatametrika Nusantara	GBI Mekar Wangi Bandung	2012	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Tatametrika Nusantara	Office Kebagusan	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Karya (persero).Tbk	Balitbang Kelautan & Perikanan II Ancol	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Karya (persero).Tbk	Gedung Futsal - Tembilahan	2012	Indonesia	Riau	Contractor	Axial,Ceiling,Wall Fan
PT.Wijaya Karya (persero).Tbk	Fakultas Ilmu Keperawatan	2012	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Cahaya Teknindo Maju Mandiri	Green Lake Apartement Tahap II	2013	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Summarecon Agung,Tbk	Sekolah AL-AZHAR	2013	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Bayu Sukses Pratama	FTMD-ITB Bandung	2013	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Bangun Kharisma Prima	Trans Jakarta	2013	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Citra Sejati Prima Lestari	Rusunami The Jardin	2013	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan



Costumer List

Hospital

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Sari Arya Putra	RS.Sari Asih - Serang	2007	Indonesia	Banten	Owner	Axial, Ceiling
PT.Cahaya Megan	RS.Sari Asih - Sangiang	2008	Indonesia	Banten	Contractor	Axial, Ceiling
PT.Cakra Inti Agung	RS.Eka Hospital - BSD	2008	Indonesia	Banten	Contractor	Centrifugal, Ceiling
PT.Kencana Mas Sentosa	RSUD Musi - Banyuasin Palembang	2008	Indonesia	Sumatra Selatan	Contractor	Axial, Ceiling
PT.Pembangunan Perumahan(Persero).Tbk	RSUD Sekayu - Banyuasin	2008	Indonesia	Sumatra Selatan	Contractor	Axial, Ceiling
PT.Duta Graha Indah.Tbk	RS.Tropis Univ.Airlangga Surabaya	2010	Indonesia	JawaTimur	Contractor	Axial,Centrifugal,Ceiling,Wall Fan
PT.Prima Contractor Indo Raya	RS.Advent - Bandung	2010	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal, Ceiling
PT.Prima Jagat Nusa	RS.Graha Kedoya	2010	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Saptawibawa Mandiriprima	RS.Meulaboh Aceh	2010	Indonesia	DI.Aceh	Contractor	Axial,Ceiling,Wall Fan
PT.Saranacitra Dutajaya	RS.Pulo Mas	2011	Indonesia	DKI.Jakarta	Contractor	Axial,Celling,Wall Fan
PT.Iskaba Pratama	RS.Siloam Makasar	2011	Indonesia	Sulawesi Selatan	Contractor	Axial,Celling,Wall Fan
PT.Loristama Tata Tekmindo	RSUD Koja	2011	Indonesia	DKI.Jakarta	Contractor	Centrifugal, Ceiling
PT.Mitramas Arta Griya	RS.Mata Cicendo-Bandung	2011	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Iskaba Pratama	RS.Husada Balikpapan	2012	Indonesia	Kalimatan Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Kayori	RSUD.PasarRebo	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Bangun Kharisma Prima	RS.Bersalin	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Citra Absorbsi Sukses Mandiri	RSUD.Bekasi	2012	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Nindya Karya (Persero)	RSP.Pertamina - Jakarta	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Iskaba Pratama	RS.Siloam Simatupang	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Surya Graha Prima Abadi	RS.Dharmais	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan

Costumer List

Hotel

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Sumber Jayatama Nusantara	Hotel Anantara - Bali	2007	Indonesia	Bali	Contractor	Axial,Ceiling,Wall Fan
PT.Wahana Karya Sentosa	Hotel Pangarayan - Riau	2007	Indonesia	Riau	Contractor	Axial,Ceiling,Wall Fan
PT.Dipa Menka Engineering	Hotel Marbella - Bandung	2008	Indonesia	Jawa Barat	Contractor	Axial.Centrifugal, Ceiling
PT.Dwiwahana Handayaprima	Hotel Sintesa Peninsula	2008	Indonesia	DKI Jakarta	Contractor	Axial.Centrifugal, Ceiling
PT.Kharisma Karmel Sejati	Hotel Santika - Pontianak	2008	Indonesia	Kalimantan Barat	Contractor	Axial,Centrifugal, Ceiling
PT.Tatametrika Nusantara	Hotel Grand Pasundan - Bandung	2008	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal, Ceiling
PT.Bethel Instalator Indonesia	Hotel Cempaka Mas	2009	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling
PTJaya Kusuma Sarana	Hotel Tune Legian - Bali	2009	Indonesia	Bali	Contractor	Axial,Ceiling
PTJaya Kusuma Sarana	Hotel Tune Kuta- Bali	2009	Indonesia	Bali	Contractor	Axial,Ceilng
PTJaya Kusuma Sarana	Hotel Nasa Banjarmasin	2010	Indonesia	Kalimantan Selatan	Contractor	Axial,Ceilng
PT.Alkonusa Teknik Inti	Hotel ASTON - Palembang	2011	Indonesia	Sumatra Selatan	Contractor	Axial,Centrifugal, Ceilling
PTJayantara Artha Mandiri	Hotel Central Park	2011	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal, Ceilling
PT.Pradiptaya	Coutyard Marriot - Bali	2011	Indonesia	Bali	Contractor	Axial Bifucated,Centrifugal
PT.Sakata Utama	Hotel Haris - Bandung	2011	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal,
PT.Sakata Utama	Hotel Blora Menteng - Jakarta	2011	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Sumber Jayatama Nusantara	NDCC-Bali	2011	Indonesia	Bali	Contractor	Axial,Centrifuga l,Ceiling, Wall Fan
PT.Tata Bayumas Nusantara	Hotel LE GRANDEUR	2011	Indonesia	DKI Jakarta	Contractor	Axial Bifucated,Centrifugal
PT.Wahyu Delta Parama	Hotel Peninsula - Palembang	2011	Indonesia	Sumatra Selatan	Contractor	Axial.Centrifugal, Ceiling
PT.Bayu Sukses Pratama	Hotel Bonero Bojonegoro - Jatim	2012	Indonesia	Jawa Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Alkonusa Teknik Inti	Hotel Lion Manado	2012	Indonesia	Sulawesi	Contractor	Axial,Ceiling,Wall Fan
PT.Citra Absorbsi Sukses Mandiri	Hotel Patra Bandung	2012	Indonesia	Jawa Barat	Contractor	Axial,Ceilng,Wall Fan
PT.Citra Sejati Prima Lestari	Green Central - Hotel Novotel	2012	Indonesia	DKI Jakarta	Contractor	Axial,Centrifugal, Ceiling
PT.Citra Sejati Prima Lestari	Hotel Jardin - Bandung	2012	Indonesia	Jawa Barat	Contractor	Axial.Ceiling, Wall Fan
PT.Inti Mega Utama	Hotel ASTON Madiun - JATIM	2012	Indonesia	Jawa Timur	Contractor	Axial,Ceilng,Wall Fan
PT.Iskaba Pratama	Motel Pekan Baru - Riau	2012	Indonesia	Riau	Contractor	Axial.Ceiling, Wall Fan
PT.Saranacitra Dutajaya	Hotel Fave - Bandung	2012	Indonesia	Jawa Barat	Contractor	Axial.Ceiling, Wall Fan
PT.Sinar Rezekimas Makmur	Hotel Medan	2012	Indonesia	Sumatra Utara	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Tatametrika Nusantara	Hotel Olive Karawaci	2012	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Tatametrika Nusantara	Hotel Kebagusan Simatupang	2012	Indonesia	DKI Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Tatametrika Nusantara	Hotel Citadines - Kuta Bali	2012	Indonesia	Bali	Contractor	Axial.Centrifugal.Ceilng, Wall Fan
PT.Tatametrika Nusantara	Hotel Klapa Breeze - Kuta Bali	2013	Indonesia	Bali	Contractor	Axial,Centrifugal,Ceilng, Wall Fan
PT.Sapta Pusaka Graha Nusantara	ART Hotel	2013	Indonesia	DKIJakarta	Contractor	Axial.Centrifugal.Ceiling, Wall Fan



Costumer List

Mall

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Star Delta	HTC - Surabaya	2006	Indonesia	Jawa Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Marwan Gemilang	Ps.Mawar Pontianak	2006	Indonesia	Kalimantan	Contractor	Axial,Ceiling,Wall Fan
PT.Sari Indah Lestari	Carrefour CBD Ciledug	2007	Indonesia	Banten	Owner	Axial Smoke Fan
PLAdhi Karya (Persero).Tbk	Pluit Junction	2007	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Primajagat Nusa	JACC Food Court	2007	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Dwiwahana Handayaprima	Farmer's Market	2007	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Trisarana Citra Mandiri	DCCikokol	2007	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Ratu Sayang International	Basament Ratu Plaza	2007	Indonesia	DKI.Jakarta	Contractor	Axial
PT.Karya Intertek Kencana	Pusat Grosir Wonokromo	2008	Indonesia	Jawa Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Prima Graha Citra	PGC2	2008	Indonesia	DKI.Jakarta	Owner	Car Park Blower
PT.Hardi Agung Perkasa	Pasar Baru Square Balikpapan	2008	Indonesia	Kalimantan	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Iskaba Pratama	Pejaten Mall	2008	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Kharisma Karmel Sejati	Food Court - Grand Indonesia	2008	Indonesia	DKI.Jakarta	Contractor	Axial
PT.Maju Sentosa Cemerlang	Koja Trade Mall	2008	Indonesia	DKI.Jakarta	Owner	Axial Smoke Fan
PT.Mitra Aspri Jaya	Pasar Palmeriam	2008	Indonesia	DKI.Jakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Plammeka Selaras	Matahari Plaza - Madiun	2008	Indonesia	Jawa Timur	Contractor	Axial,Ceiling,Wall Fan
PT.Sentral Grosil Cikarang	Pasar Sentral Grosil Cikarang	2008	Indonesia	Jawa Barat	Owner	Car Park Blower
PT.Vastorindo Djaya Semesta	Tanggerang City	2008	Indonesia	Banten	Contractor	Ceiling

Costumer List

Mall

CUSTOMER	PROJECT REFERENCE	YEAR	COUNTRY	CITY	REMARK	TYPE
PT.Bayu Sukses Pratama	Gedung Perwakilan Pemda,Sulut	2009	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Citra Persadamas Enginindo	Gedung BPK RI - Jakarta	2009	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Hardi Agung Perkasa	Carrefour Central Park	2009	Indonesia	DKIJakarta	Contractor	Axial
PT.Megasurya Nusalestari	Mega Trade Center - Manado	2009	Indonesia	Sulawesi	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Pradiptaya	Extention Pasar Tanah Abang	2009	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Senkris Utama Jaya	De Ploeit	2009	Indonesia	DKIJakarta	Contractor	Centrifugal,Ceiling
PT.Sinar Artha Mulia	GIANT - Cirebon	2009	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Alkonusa Teknik Inti	Serpong Town Square L	2010	Indonesia	Banten	Contractor	Axial,Ceiling,Wall Fan
PT.Dadi Makmur Sentosa	Gajah Mada Plaza	2010	Indonesia	DKIJakarta	Contractor	Axial
PLMegasurya Nusalestari	Hypermart MTC Manado	2010	Indonesia	Sulawesi Utara	Contractor	Axial,Ceiling
PT.Mitramas Artha Griya	Atrium Pondok Gede	2010	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Prima Contractor Indo Raya	Pusat Grosir Solo	2010	Indonesia	Jawa Tengah	Contractor	Axial,Ceiling,Wall Fan
PT.Bethel Instalator Indonesia	Ps.Pagi Perniagaan	2011	Indonesia	DKIJakarta	Contractor	Axial,Ceiling,Wall Fan
PT.Imecon Anugrah Perkasa	Mall Of Serang	2011	Indonesia	Banten	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Pilar Garba Inti	Ground Floor Mall Of Indonesia	2011	Indonesia	DKIJakarta	Contractor	Centrifugal
PT.Shinhwa Techno Plant	Lotte Mart - Kelapa Gading	2011	Indonesia	DKIJakarta	Contractor	Axial
PT.Sinar Artha Mulia	Mall Lingkar Selatan - Bandung	2011	Indonesia	Jawa Barat	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Sinar Artha Mulia	GIANT - JABABEKA	2011	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Plant Samyong Indonesia	Lotte Mart - Taman Surya	2012	Indonesia	DKIJakarta	Contractor	Axial,Centrifugal,Ceiling, Wall Fan
PT.Plammeka Jayasri	Ps.Grosir Parung - Bogor	2012	Indonesia	Jawa Barat	Contractor	Axial,Ceiling,Wall Fan
PT.Mekalindo Wira Utama	Restoran COCA Kemang	2012	Indonesia	DKI.Jakarta	Contractor	Axial,Ceiling,Wall Fan

Certificate

With more than 20 years experience in fan & blower, now we have own test lab fan & blower accordance to AMCA 21 0-99 within test fan capacity 1 50.000 (CMH) and static pressure up to 2.000 (Pa). All sort of effort has been done to increasing our service to customer by mission "Customer Satisfaction".

Air Movement and Control Association International, Inc.

Certifies that

PT. Industrial Multi Fan

Having satisfied the membership requirements, has been granted membership in the Air Movement and Control Association International, Inc.

Member Since
September 2011

AMCA International President

Executive Director

Certificate of AMCA Membership

Certificate

CERTIFICATE

TÜV NORD

**Management System as per
ISO 9001 : 2008**

In accordance with TÜV NORD Indonesia procedures it is hereby certified that

PT. INDUSTRIAL MULTI FAN

Office : Jl. Hayam Wuruk No. 111 Blok QQ RT 003/RW 009
Kelurahan Maphar, Kecamatan Taman Sari, Jakarta Barat 11160
INDONESIA

Factory : Jl. Salembaran Raya RT 04/RW 02 Dadap, Kosambi Barat,
Tangerang 15211 – INDONESIA

applies a management system in line with the above standard for the following scope

Manufacturing and Assembling of Building and Industrial Ventilation Equipment and Others

Certificate Registration No. 16 00 H 12093 — Valid until 2015-08-06

Audit Report No I-H12093/2012 — Initial Certification 2012-08-07

TÜV NORD Indonesia Certification Body
TÜV NORD Group

Jakarta, 2012-08-07

This certification was conducted in accordance with the TÜV NORD Indonesia auditing and certification procedures and is subject to regular surveillance audits

ID 131200A

Certificate of TUV NORD

KEMENTERIAN PERDAGANGAN
REPUBLIK INDONESIA
MINISTRY OF TRADE

SERTIFIKAT PRODUK

Nomor : 01313DN-219-LSPro PPMB

Dengan ini Lembaga Sertifikasi Produk - PPMB memberikan Sertifikat Produk kepada:

PT. INDUSTRIAL MULTI FAN

Alamat Perusahaan	:	Jl. Hayam Wuruk No. 111 QQ, RT. 003/ RW. 009, Kel. Maphar, Kec. Taman Sari, Jakarta Barat – 11160 Indonesia
Lokasi Pabrik	:	Jl. Kapuk Kamal Raya Jakarta Barat 11820 – Indonesia
Produk	:	Kipas angin untuk peranti listrik rumah tangga dan sejenisnya
Merek	:	***CKE & IMATSU'S***

dan menyatakan bahwa mutu produk tersebut di atas telah sesuai dengan Standar Nasional Indonesia (SNI)
Nomor : **04-6292.2.80-2006**

Tanggal : 28 Nopember 2013
Masa Berlaku hingga : 27 Nopember 2017

LEMBAGA SERTIFIKASI PRODUK - PPMB

PPMB

ANDI AMPA
MANAJER EKSEKUTIF

"Sertifikat ini diberikan kepada perusahaan sebagai bukti kesesuaian produk terhadap persyaratan skema sertifikasi. Dengan demikian, perusahaan diberikan hak untuk mencantumkan tanda kesesuaian pada produknya."

KAN
Lembaga Sertifikasi Produk

AFMA Laboratory

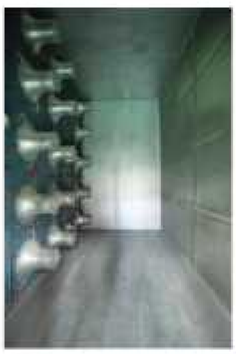
AFMA Design Laboratory

Auxiliary Fan

Inverter

Fan Outlet

Nozzle Inlet



Nozzle Discharge

Outlet Chamber Measurement

FIND US

Head Office

Jakarta
Jl. Hayam Wuruk 111 QQ-RR Jakarta Barat - 11160
Telp: 0216491491,6250726 Fax: 0216597007
Email: sales.project.co.id

Dealer

VentilasiTehnik
Pertokoan Glodok Makmur No. 10
Telp: 0216240123,0216248653 Fax: 0216242345

CKETehnik Glodok
Glodok Plaza Blok F No. 133-134
Telp: 0216264673 Fax: 0216261121

Centrifugal Tehnik
Pusat Pertokoan H.W.I. LIndeteves Blok A No. 12A
Telp: 0216242435,0216393645 Fax: 0216242437

Marelli Tehnik
Pusat Pertokoan H.W.I. Lindeteves Blok A no. 18
Telp: 0216286204,0216393572 Fax: 0216597301

Fan Tehnik
Pusat Pertokoan H.W.I. Lindeteves Blok A no. 3
Telp: 0216244014,0216497277 Fax: 021649727

LTC Glodok
LTC(GF2/B1-23)RA32
Telp:0216597012,0216599242 Fax:02162311066

CKE Fan Tehnik
Gedung Kenari Mas Lantai Ground Blok C No. 19A
Jl.KramatRayaNo. 10
Telp: 02139840431 Fax: 02139840432

Air Supply Tehnik
Pertokoan Glodok Jaya, Lantai Dasar Blok B No. 57
Telp:0216280165 Fax:0216249684

AirTek
Glodok Plaza Ruko Murata Blok F 93 Nomor 90
Telp: 02162204107 Fax: 0216220410

CKE Gajah Mada
Jl. Gajahl Mada No.226
Telp: 021629764 Fax: 0216297647

Central Fan
Lindeteves Trade Centre LtGFI BlokCNo.I &9
Telp: 0216232015 Fax: 02162200979

CKE Tehnik Blustru
Jl. Hayam Wuruk 127 A-D
Telp: 0216250939,0216250943 Fax: 0216250948

CKE Tehnik Kenari
Pasar Kenari Lama Lantai Dasar Blok AKS/200 Jl. Salemba Raya
Telp: 0213193672,02131908613 Fax: 02131908613

Forward Tehnik
Gedung Kenari Mas Lt.I Blok F No. 75-76
Telp: 02139845937,02139845938 Fax: 02139845938

Distributor

CKE Tehnik Surabaya
Jl. Raden Saleh No. 14 C Surabaya - 60176
Telp: 031546375 Fax: 031535730

CKE Tehnik Semarang
Jl. Agus Salim Komp. Pertokoan Junatan Blok D No. 5, Semarang
Telp: 0243521408 Fax: 0243549274

CKE Fan Tehnik IHedan
Jl. Cirebon No. 1 A/3 Kelurahan Pasar Baru, Medan
Telp: 0614567007 Fax: 0614143746

CKE Tehnik Bandung
Jl. ABC Blok B3 No. 72 Komp. Banceuy Permai, Bandung
Telp: 0224220373 Fax: 0224235605

CKE Tehnik Bali
Jl.GatotSubrotoTengah No. 45 G Denpasar Bali
Telp: 0361428137 Fax: 0361428136

Agen

PT.Adidaya Era Manunggal
Jl.Veteran 1 ABC Kel.Kuto Baru. Palembang
Telp. 0711-355735

Toko Panasonic
Jl. J. Sudirman No.47 Pekan baru - Riau
Telp. 0852-25566320

Artiia Utama
Jl. Sudirman No.I33 Duri - Riau
Telp. 0765-94518

Sumber Motor
Jl. Jend. Sudirman 21 CD Palembang
Telp. 0711-312906

Batam Jaya Elektronik
Pekan Baru
Telp. 6761-7029191

Sinar Bahagia
Samarinda
Telp. 0541-743008

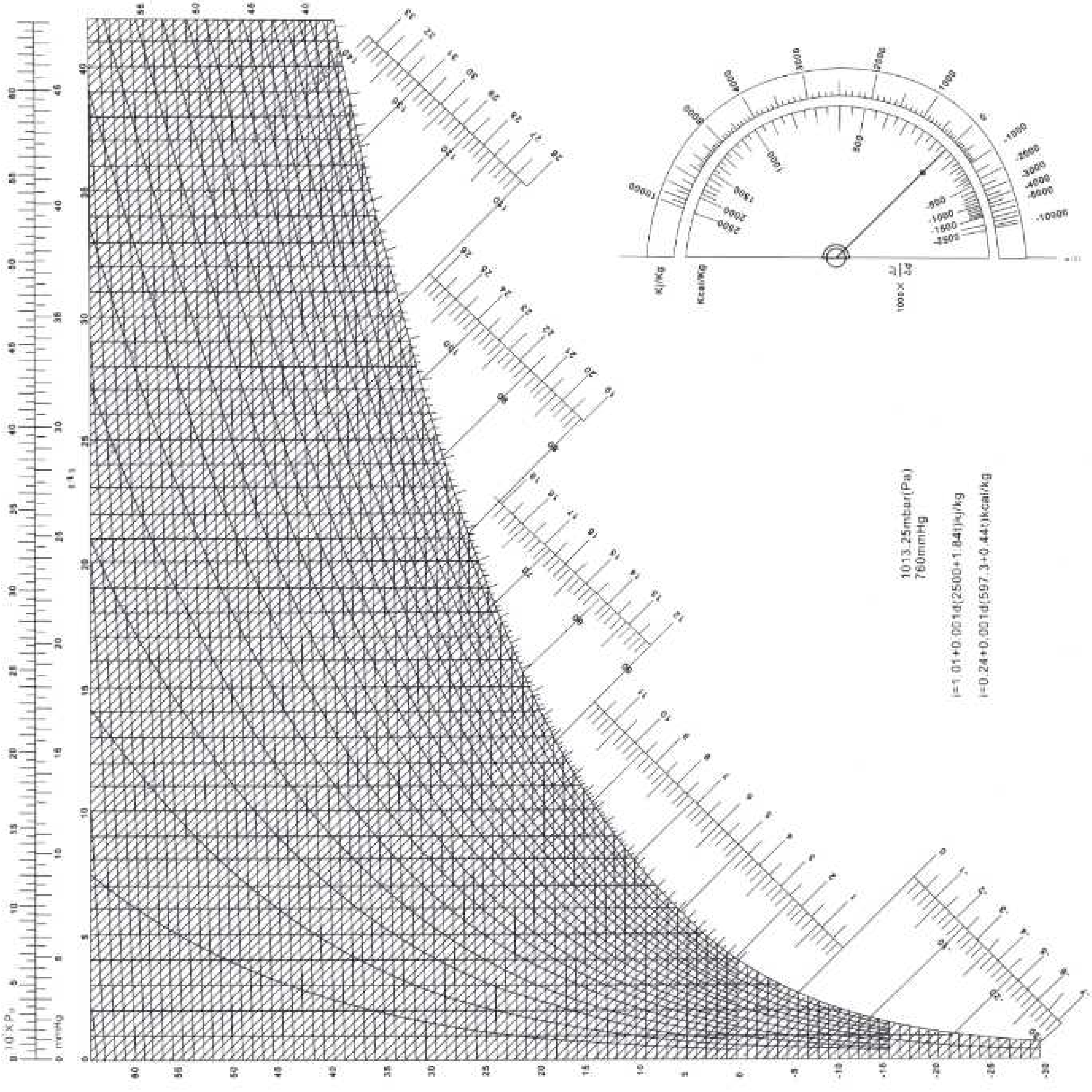
Anugrah Jaya
Jl.Kutilang 47. Kudus. Jawa Tengah
Telp. 0291-3370189

PT.Sumber Makmur
Jl.Moratai gg H.M.Aliun no.10. Bandar Lampung
Telp. 0721-774141

Surya Indah
Jl. Iman 1/0 Makasar
Telp. 0411-3616271

SUMBER PERKAKAS
Jl.Raya Baru No 5-6 T/F 0251-362849, Bogor 02518400217

Humidify Chart



dry - bulb temperature - °C

Calculation

Calculation of Ventilating Capacity and Indexing of Required Sets

Varius equations are available for the determination of the ventilating capacity according to the ventilation purpose. In general, more than two equations are applied to determine the capacity accurately.

However, the ventilating capacity Is mostly determined on the basis of the ventilating frequency unless the precise capacity Is specified.

General ventilating capacity :

a) Calculation of total air volume and the required number of ventilators based on the ventilating frequency :

* Total air delivery Q (m/h) = Building volume V (m^3) x Ventilating frequency (times/hour)

* Required number of ventilators = $\frac{\text{Total air delivery}}{\text{Air delivery per let } (m^3/min)}$ $\frac{\text{Building volume } (m^3) \text{ x Ventilating frequency}}{\text{Air delivery per set } (m^3/min) \text{ x } 60}$

For calculation :

1. The total volume of a building to be ventilated must be determined.
2. The ventilating frequency per hour must be determined according to the kind and scale of the building to be ventilated.
3. The total ventilating delivery can be determined from the building volume and the required ventilating frequency.
4. An appropriate ventilator type is selected according to the building structure and fitting conditions, and the air delivery at static pressure mmAq (inchAq) is determined from the ventilator's performance table.
5. The required number of ventilators is determined in the above equation.

(Example of calculation.....Required ventilating capacity for general machinery manufacturing plant.)

* Wide 20m, Depth 50m, Height 6m Power source 200V 60Hz.
* Determination of plant building volume (to be ventilated) 20 x 50 x 6 = 6.000 m .
* Ventilating frequency per hours.....10−20 times, 5 times an average.
* Assuming the FY-60SQE is selected according to the fitting conditions, the air capacity 90 m^3/min can be determined from the characteristic table.
* Fom the above equation, required number of ventilators = $\frac{6000 \text{ x } 5}{90\text{x}60}$ = 7.89 .....8 sets.

b) Determination of the total air delivery and required number of ventilators based on floor **area :**

* Total air delivery Q (m^3/hr) = Floor area (m) x Ventilating capacity per unit floor area (m^3 /m^2h)

Required number of ventilators = $\frac{\text{Total air delivery}}{\text{Air delivary per set } (m^3/min)}$ = $\frac{k\ (m^3/h)}{\text{Air delivery per set } (m^3/min) \text{ x } (Pi\text{-}Po) \text{ x } 60}$

c) Determination of total air

Volume and required number of ventilators based on the accommodation capacity.
When the main polution source is from brom breaching in any place where many people are together, the following equation is apllied.

* Total air delivery Q (m^3/hr) = 50 (m^3/person/h)* accommodation capacity (No. of persons)

* Required quantity = $\frac{\text{Total air delivey}}{\text{Air delivery per set } (m^3/min)}$ $\frac{50\ (m^3/\text{person.hr}) \text{ x accommodation capacity (No. of persons)}}{\text{Air delivery per set } (m^3/min) \text{ x } 60}$

Standard fresh air volume per person/hour. Refer to "Table of Required number of Ventiators by Accommodation capacity" on next page.

d) Determination based on the volume of exhaust of harmfu gas :

The required ventiating capacity can be determined from the total volume of harmful gas in the following equation.

* Total air delivery Q (m^3/hr) = $\frac{k \text{ (Total volume of harmful gas) } (m^3/hr)}{Pi \text{ (Allowable density of harmfu gas) - } Po \text{ (Gas density during air draft)}}$

* Required number of ventilators = $\frac{\text{Total air delivey}}{\text{Air delivery per set } (m^3/min)}$ $\frac{K(m^3/hr)}{\text{Air delivery per set } (m^3/min) \text{ x } (Pi\text{-}Po) \text{ x } 60}$

* Hourly ventilating frequency according to kinds of rooms : (Targed values by Sanitation Laboratory Corp. Japan.)

Calculation

	Kinds of rooms	Frequency	Kinds of rooms		Frequency	Kinds of rooms		Frequency
Hotel Hospital	Dance-hall Restaurant Cooking room Gallery Toilet (W.C.) Engine/boiler room Washing room Waiting room Caonsulting room Patient's room BuDi room Office Dining room Kitchen Gallery Toilet Engine/boiler room Washing room Operating room Disinfecting room Respiratory organs room	8 5 15 5 10 20 15 10 6 6 10 6 6 15 5 10 10 15 15 12 10	Public toilet service Ship Library Dark room Plants/factories	Cabins Reading room Photography dark room General plant Machining shop Welding shop Casting shop Casting/rolling Chemical plant Food-factory Painting shop Printing shop Wooden crafts Dyeing shop Spinning factory Incoming room (power) Compressor room Boiler house Change room Dining room Kitchen	20 6 6 10 5-15 10-20 15-25 20-60 30-80 15-30 10-30 30-100 5-15 15-25 15-30 5-15 20--30 15-30 20-30 4-15 5-10 10-30	Food and drink stores School General	Restaurant Kitchen Tempura house Banquet hall Gymnasium Auditorium Office Meeting room Kichen Living room	6 20 20 10 5-10 6-10 3-10 5-12 5-15 2-5

e) Determination based on volume of exhaust of hot air ;

The required ventilating capacity can be determine, based on the total calorific head Hs (Kcal/hr.) of the heat source at room in the equation given below.

* Total air delivery Q (m³/hr) = $\dfrac{\text{Total calorific heat (Kcal/hr.)}}{\text{0.3 x (Difference between room temperature and atmospheric temperature (at))}}$

f) Determination based on the voume of exhaust vapor :

The required ventilating capacity can be determined based on the volume of exhaust vapor in the equation given below.

* Total air delivery Q (m³/hr) = $\dfrac{\text{total vapor weight (Kg/hr.)}}{\text{1.2 x (Absolute humidity difference between indoor and outdoor (ax))}}$

Sources	Calorific Heat (Value)	Conditions	Sources	Calorific Heat (Value)	Conditions
Person engaged In service	120-150 Kcal/person. hr.	Simpe task that can be done standing	Electric motor	1060 Kcal/HP-hr.	1/8-1/2 HP
Person engaged In service	150-250 Kcal/person. hr.	Medium task mat can be done standing	Electric motor	920 Kcal/HP-hr.	1/2-3 HP
Person engaged In service	250-350 Kcal/person. hr.	Medium task requiring of position change	Electric motor	740 Kcal/HP-hr.	3-20 HP
Person engaged in service	350-500 Kcal/person. hr.	Hard task	Coal	5.000-7.500 Kcal/kg	
Person engaged in service	500-600 Kcal/person. hr.	Extra - hard task	Charcoal	6.700-7.000 Kcal/kg	
Lamp, electric heater	0.86 Keal/hr.		Coke	6.500-7.000 Kcal/kg	
Fuorsscent lamp	1 Kcal/hr.		Gasoline	11.000 Kcal/kg	
Sun's radiation	140-300 Kcal/m²h	General	Light oil, heavy oi	9.000-11.000 Kcal/kg	
Sun's radiation	370 Kcal/m²h	Glass m²	Natural gas	7.500-8.500 Kcal/kg	
			coal gas	5.000-6.800 Kcal/kg	Clry gas
			Liquid gas	2.600 Kcal/kg	4.500 Kca/kg

Explanations to Sound Data

The sound data have been compiled by means of sound measurement methods as follows :
Pressure and flow : ISO 5801
Determination of acoustic sound level in duct: ISO 5136
Determination of acoustic sound level in reverberation room : ISO 3741

Designations

LwA tot: Tota A-weighted sound power level dB(A) (ref 10-12 W) = the sum of the sound power level in the octave ranges.
LwA: A-weighted sound power level in octave range dB(A) (ref 10-12 W)
LpA : A-welghted sound pressure level In dB(A) according to normed A-weightening.
Correction and relating to an effective absorption area of 20 m2 with half spherical translation at a distance of 3 meters.

Product Range

CENTRIFUGAL INLINE, DUCT INLINE
BUILDING & INDUSTRIAL

CDI

SJG

TSK

CK

HK

DPT


CENTRIFUGAL FAN DIRECT,PULLEY,CABINET
BUILDING & INDUSTRIAL

CBS

CKD

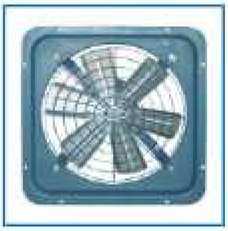
CKS

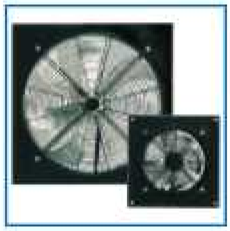
SDZ

CBD


PLATE WALL MOUNTED FLOW FAN
BUILDING & INDUSTRIAL

ESN





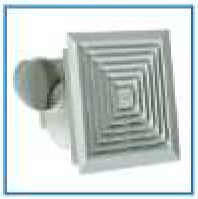

Product Range

WALL, WINDOW & CEILING FAN

BUILDING & INDUSTRIAL

KTD

BPT



JM

KHG-10B

APB

APT

EFT

APC

AirCurtain(AC)

CLFS

WF

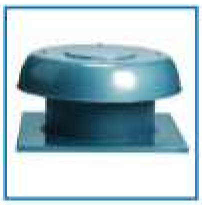
SF

ROOF FAN, TURBIN VENTILATOR, PORTABLE VENTILATOR DRUM FAN

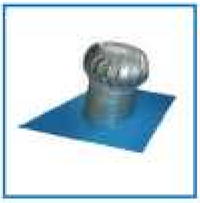
BUILDING & INDUSTRIAL

DWT

ARF

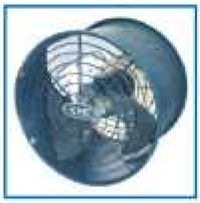


TV



DFS

FAC



DFFP

CPB

PV

BUILDING & INDUSTRIAL
CENTRIFUGAL

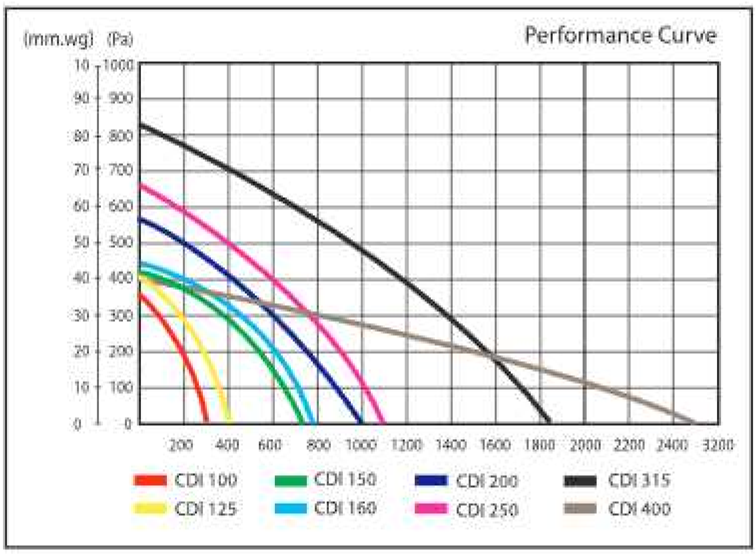
Centrifugal Duct Inline

The CDI series of fans is design for direct connection inline with standard diameter circular ducting. The impeller is designed for backforward impeller, so it has large volume and low noise and not over loading. The fan is suitable for operation at any angle and deliver exceptional airflow performance againts the high static pressures typically found in ducted ventilation systems. It is ideally suited for wide range of general residential, commercial and industrial exhaust or supply ventilation applications, such as : bathrooms, toilets, utility rooms, cafes, bars, offices, restaurants, spot ventilation, equipment cooling, workshop ventilation, etc.

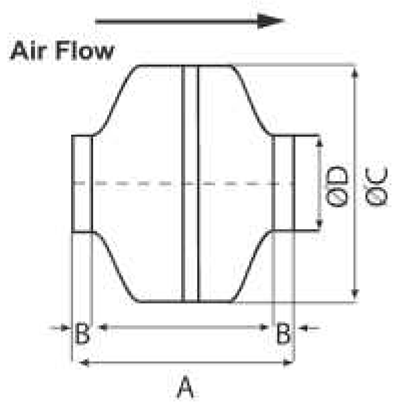
Specification

Model	Speed (RPM)	Air Vol **(CMH)**	Power (W)	Rating (V/Hz)	Noise dB(A)
CDI-100	2500	290	78	220/50	47
CDI-125	2500	405	80	220/50	47
CDI-150	2500	720	130	220/50	52
CDI-160	2500	755	130	220/50	52
CDI-200	2500	1000	170	220/50	53
CDI-250	2500	1105	180	220/50	55
CDI-315	2500	1875	350	220/50	56
CDI-400	1380	2500	180	220/50	64

dB (A) at 3m are measured in free field condition from inlet duct with ducted inlet and outet



Dimension of parts



Dimension of Parts

Model	A	B	C	D
CDI-100	194	23	243	100
CDI-125	195	27	243	125
CDI-150	222	28	333	150
CDI-160	222	28	333	160
CDI-200	223	25	333	200
CDI-250	206	27	333	250
CDI-315	230	25	401	315
CDI-400	415		545	400

Dimension: mm

Duct Inline

SJG & FSJG

Duct inline type SJG is designed for ventilation in high rise apartment, hospitals, school and building, they are lightweight, compact and can be easily installed. It can produce low noise and high static pressure with the use of turbo type mixed flow fan and guide vane which efficiently guides the air stream, the mixed flow fan is a special design production mainly via the optimization torsion (also called the oblque flow meridian acceleration method). The oblique flow fan is most suitable for the straight pipe pressure blasting and venting horizontal, ertical or suspended installation is all permitted. Few land is needed and it is easy to install.

CONSTRUCTION

Be composed of housing, impeller, motor and base the housing & impeller are made of plastic (FSJG) and Steel (SJG).

SJG

FSJG

Specification

SJG

TYPE	DIAMETER (inch)	ST.PRESS (PA)	VOLT (V)	NOISE (dB)	POWER (W)	SPEED (RPM)	CAPACITY (m3/h)
SJG-2.5F	10	110	380	<60	120	1450	1000
SJG-3.5F	14	110	380	<61	370	1450	4000
SJG-4.0F	16	220	380	<62	750	1450	5000
SJG-4.5F	18	250	380	<68	1100	1450	7000
SJG-5.0F	20	345	380	<69	2200	1450	10000
SJG-6.0F	24	380	380	<75	5500	1450	18000
SJG-6.0S	24	240	380	<65	1500	960	11000
SJG-7.0S	28	260	380	<72	3000	960	18000
SJG-8.0S	32	510	380	<71	7500	960	25000
SJG-8.0E	32	210	380	<68	4000	720	25000

FSJG

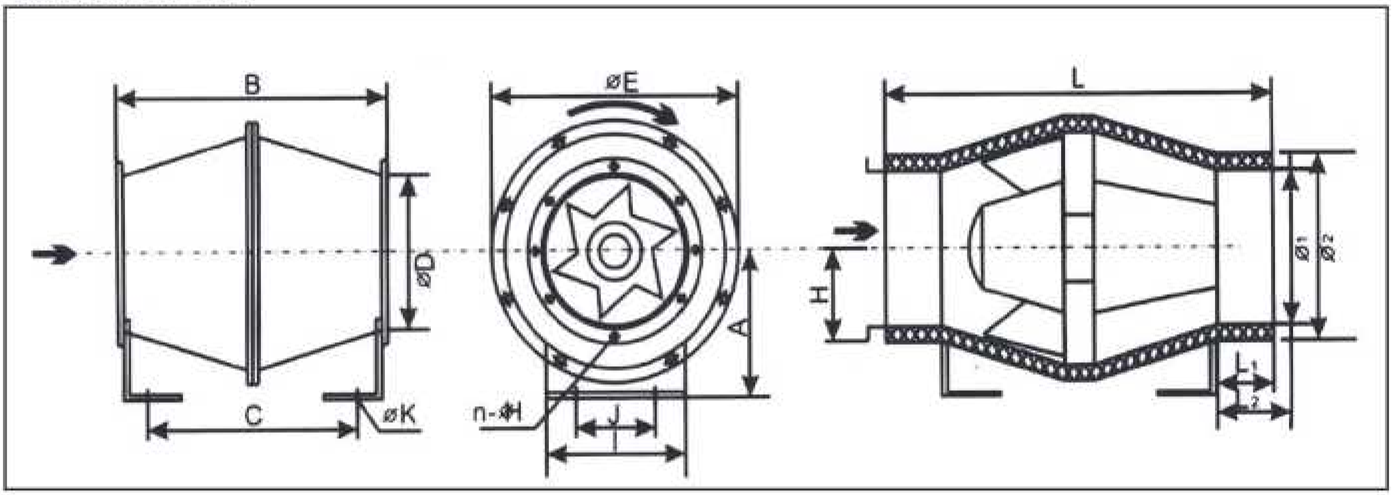
MODEL	DIAMETER (Inch)	STATIC PRESSURE (Pa)	VOLT (V)	POWER (W)	SPEED (RPM)	CAPACITY (m^3/h)
FSJG-2,5F	180-100	10	380	120	1450	300-1000
FSJG-3,0F	260-130	12	380	250	1450	500-2000
FSJG-3,5F	320-110	14	380	370	1450	1000-4000

Any Changes Of Specification Without Further Notice

Duct Inline

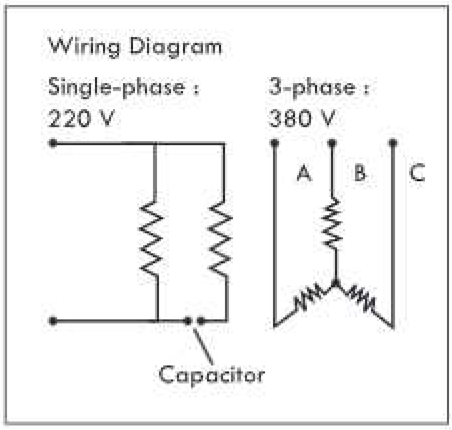
SJG & FSJG

Dimension of Parts



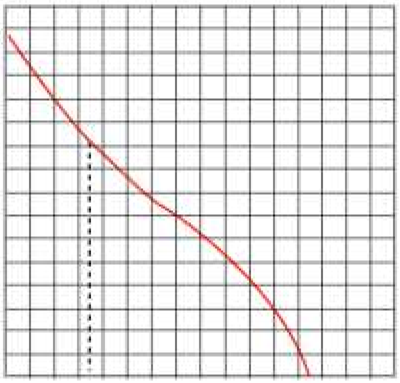
Model	A	B	C	D	E	F	G	H	I	K	n
2.0F	180	320	232	200	347	264	6.5	160	110	10.5	6
2.5F	205	320	256	250	390	314	6.5	200	150	10.5	6
3.0F	250	400	318	300	400	354	6.5	240	190	10.5	6
3.5S	285	490	410	350	520	414	8.5	280	230	10.5	6
3.5F	285	490	410	350	5520	414	8.5	280	270	10.5	6
4.0S	335	540	446	400	615	485	8.5	320	270	12.5	6
4.0F	335	540	446	400	615	485	8.5	320	300	12.5	6
4.5S	370	600	500	450	690	505	8.5	360	300	12.5	6
4.5F	370	600	500	450	690	505	8.5	360	280	12.5	6
5.0S	400	695	594	500	762	565	10.5	460	280	14.5	6
5.0F	400	695	594	500	762	565	10.5	460	420	14.5	6
6.0S	495	845	742	600	863	685	10.5	500	420	14.5	6
6.0F	495	845	742	600	863	685	10.5	500	500	14.5	6
7.0S	560	1040	930	700	996	806	12.5	600	580	16.5	6
8.0S1	635	1000	898	800	1000	906	12.5	700	580	16.5	6
8.0S2	635	1000	898	800	1000	906	12.5	700	580	16.5	6
8.0E	635	1000	898	800	1000	906	12.5	700	580	16.5	6

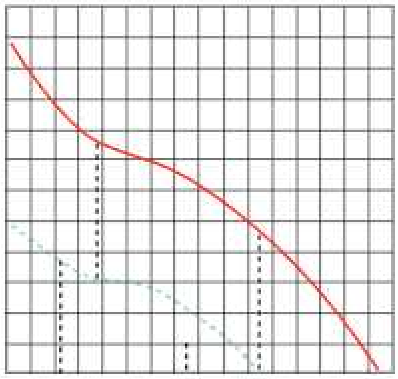
Model	4|1	4|2	L1	L2	H	L
XSJG2.0	200	280	200	250	190	858
XSJG2.5	250	330	250	300	230	972
XSJG3.0	300	380	300	350	290	1146
XSJG3.5	350	430	350	400	310	1320
XSJG4.0	400	500	400	450	340	1492
XSJG4.5	450	550	450	500	380	1668
XSJG5	500	600	500	550	440	1842
XSJG6	600	720	600	660	490	2212
XSJG7	700	820	600	660	560	2360
XSJG8	800	920	600	660	560	2508

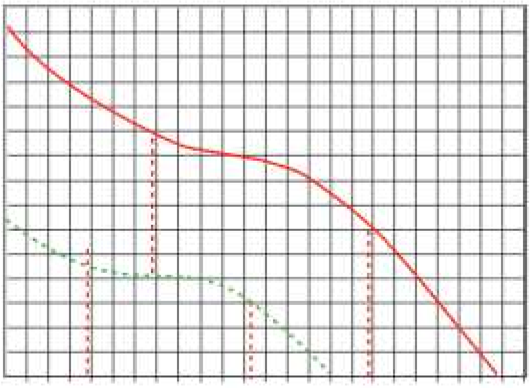


Performance Curve

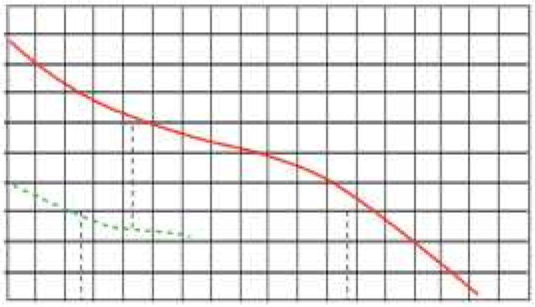
SJG & FSJG



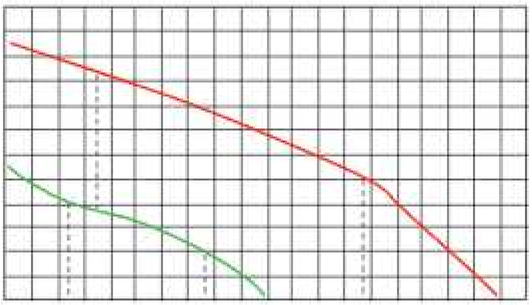




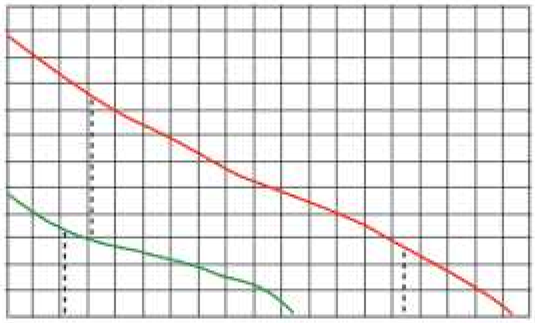
SJG-4S (m^3/h)



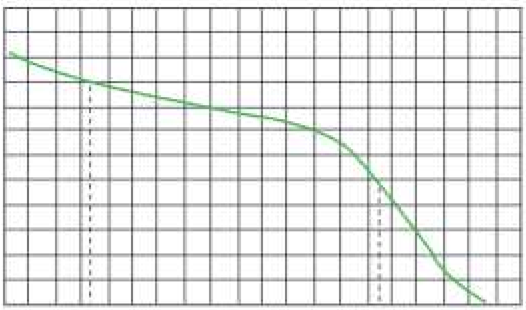
SJG - 4,5S (m^3/h)

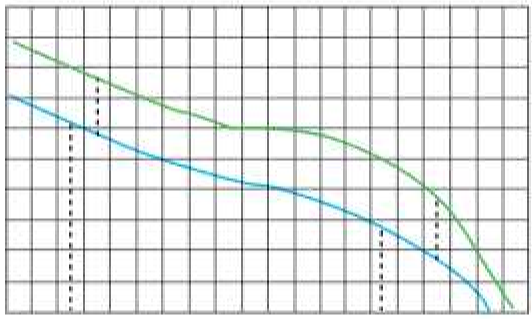


SJG - 5S (m^3/h)



SJG - 6S (m^3/h)





SJG - 8E (m^3/h)

F = 1450 rpm S = 960 rpm E = 720 rpm

Any Changes Of Specification Without Further Notice

Rounded Ducting Centrifugal Fan

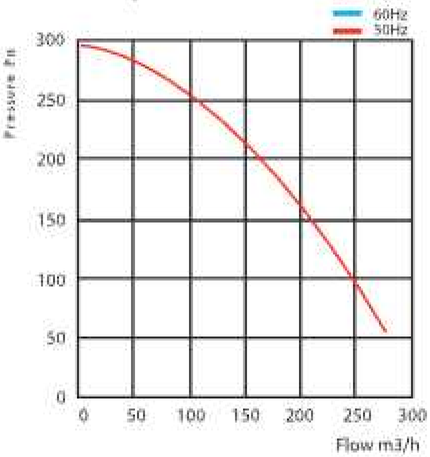
TSK

- Stamped forming with precise mould in casing, surface finish of plastic spray, refinement appearance.
- Axial fan with centrifugal type by using backward curved impeller.
- Compact size and easy to install
- Using standard size for wind inlet and outlet, fan can be connected with ducting directly.
- Single outer rotor motor, low noise.
- Applied in hotel, restaurant, auditorium, meeting room, supermarket, station, airport, for exhaust air and fresh air.

Rounded Ducting Centrifugal Fan

TSK 100

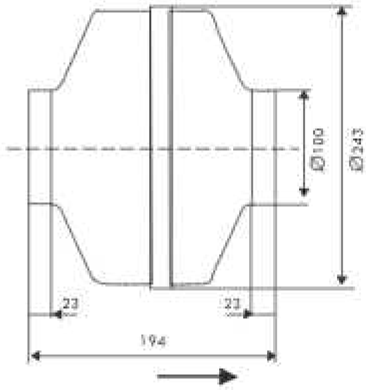
Pressure / Flow



Technical Data

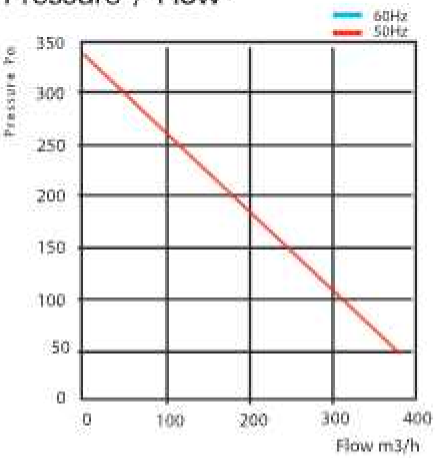
TSK	100	100
Voltage V/Hz	220/50	120/60
Currnt. A	0.3	0.8
Input. W	68	94
Speed RPM	2500	2700
Noise dB	65	66
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



TSK 125

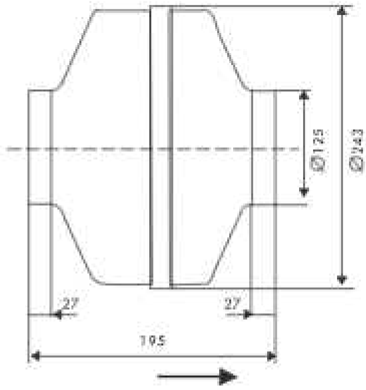
Pressure / Flow



Technical Data

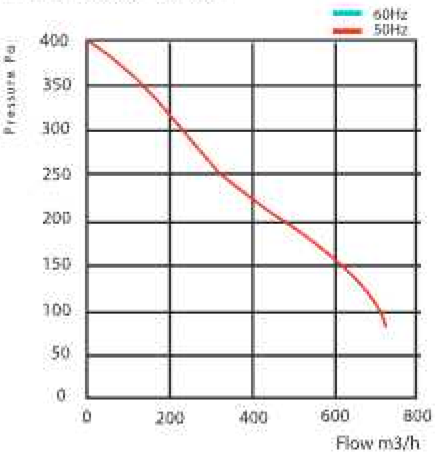
TSK	125	125
Voltage V/Hz	220/50	120/60
Currnt. A	0.3	0.8
Input. W	75	96
Speed RPM	2500	2700
Noise dB	66	67
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



TSK 150

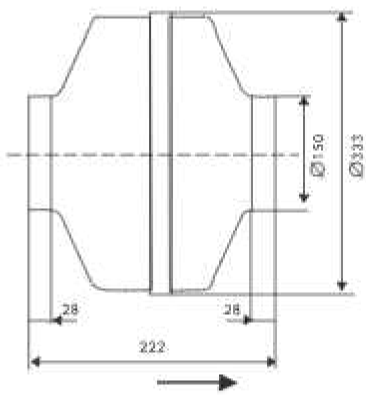
Pressure / Flow



Technical Data

TSK	150	150
Voltage V/Hz	220/50	120/60
Currnt. A	0.4	0.97
Input. W	89	116
Speed RPM	2500	2700
Noise dB	72	73
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions

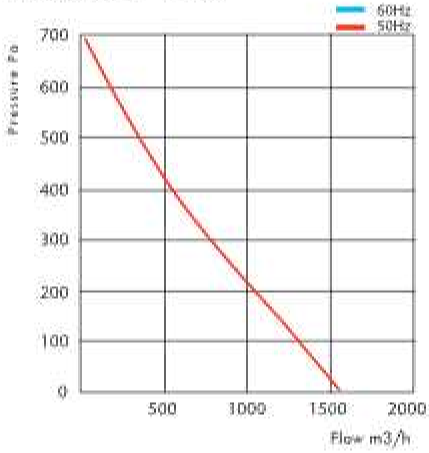


Any Changes Of Specification Without Further Notice

Rounded Ducting Centrifugal Fan

TSK 315

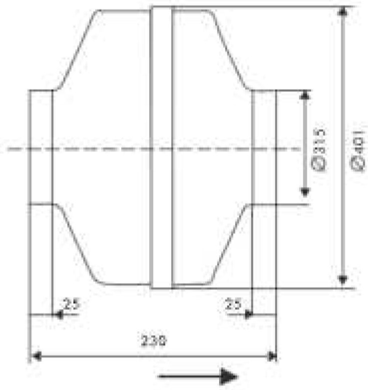
Pressure / Flow



Technical Data

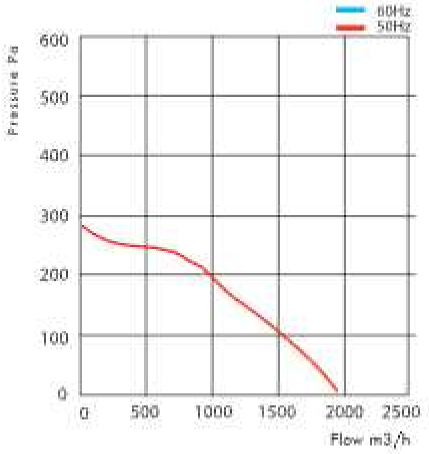
TSK	315	315
Voltage V/Hz	220/50	120/60
Currnt. A	1.1	2.1
Input. W	223	250
Speed RPM	2500	2700
Noise dB	63	75
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



TSK 355

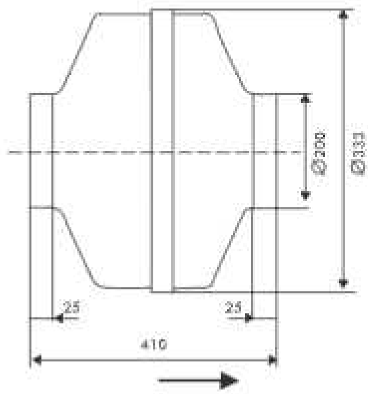
Pressure / Flow



Technical Data

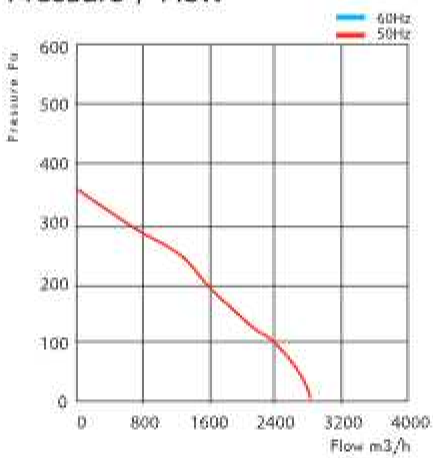
TSK	355	355
Voltage V/Hz	220/50	120/60
Currnt. A	0.65	3.5
Input. W	145	250
Speed RPM	1390	2800
Noise dB	58	59
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



TSK 400

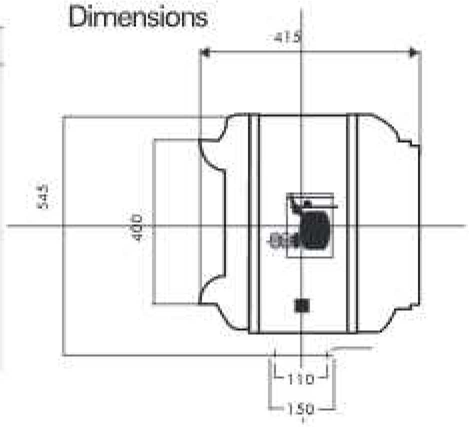
Pressure / Flow



Technical Data

TSK	400	400
Voltage V/Hz	220/50	120/60
Currnt. A	0.8	3.5
Input. W	180	250
Speed RPM	1380	2800
Noise dB	64	65
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



Any Changes Of Specification Without Further Notice

Square Ducting Centrifugal Fan

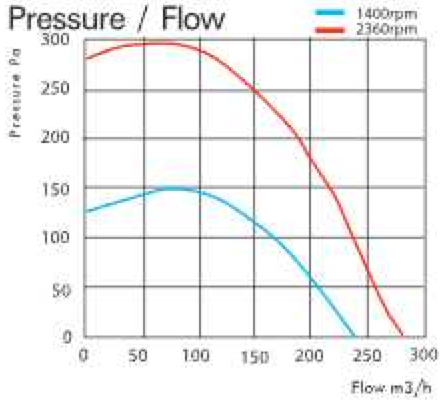
CK

- Small size, high efficiency, energy saving, enviromental protection.
- Using standard size for wind inlet and outlet, fan can be connected with ducting directly.
- Single outer rotor motor, super-low noise.
- Widely used for household, apartment, villa, office, market, hotel, cinema, ballroom, station, hospital, laboratories.

Performance Curves

CK 100

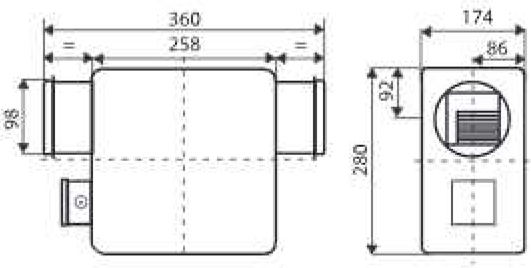
Pressure / Flow



Technical Data

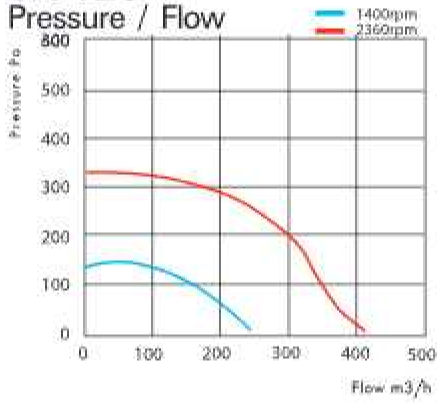
CK	100A	100B
Voltage V/Hz	220/50	120/60
Currnt. A	0.38	0.23
Input. W	85	48
Speed RPM	2360	1400
Noise dB	60	55
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



CK 125

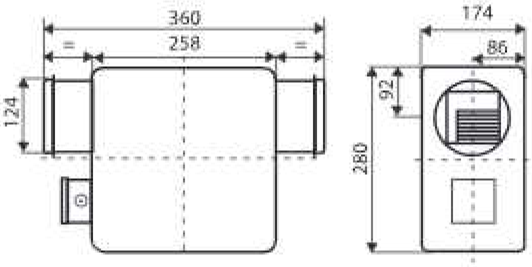
Pressure / Flow



Technical Data

CK	125A	125B
Voltage V/Hz	220/50	120/60
Currnt. A	0.44	0.23
Input. W	100	48
Speed RPM	1800	1400
Noise dB	87	55
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

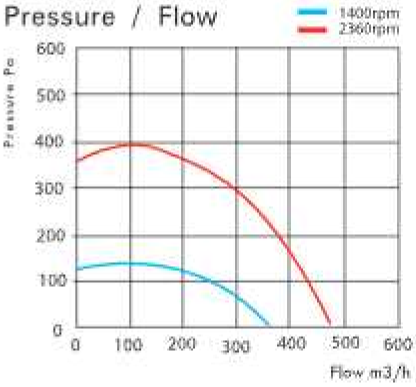
Dimensions



Performance Curves

CK 150

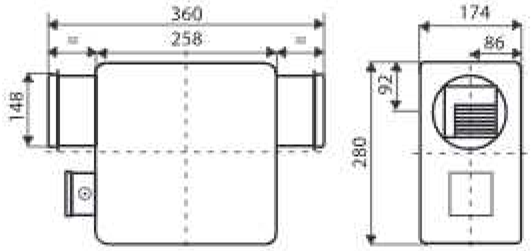
Pressure / Flow



Technical Data

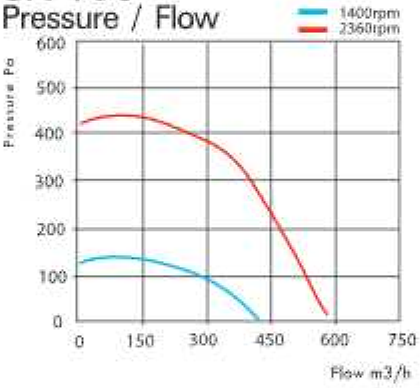
CK	150A	150B
Voltage V/Hz	220/50	120/60
Currnt. A	0.45	0.25
Input. W	120	56
Speed RPM	1850	1100
Noise dB	70	56
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



CK 160

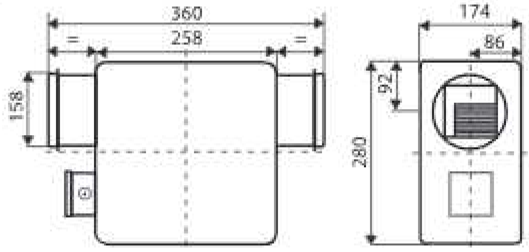
Pressure / Flow



Technical Data

CK	160A	160B
Voltage V/Hz	220/50	120/60
Currnt. A	0.76	0.25
Input. W	165	56
Speed RPM	2260	1100
Noise dB	72	56
Insulation class, motor	F	F
Motor protection	IP44	IP44
Working temp.°C	55	55

Dimensions



Tunnel Purify Fan

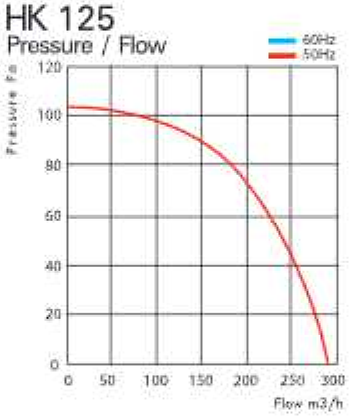
HK

- Small size, high efficiency, energy saving, environmental protection.
- With air filteration
- Using standard size for wind inlet and outlet, fan can be connected with ducting directly.
- Single outer rotor motor, super-low noise.
- Widely used for household, apartment, villa, office, market, hotel, cinema, ballroom, station, hospital, laboratories.

Performance Curves

HK 125

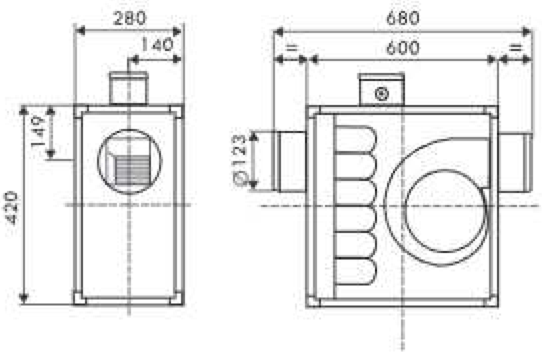
Pressure / Flow



Technical Data

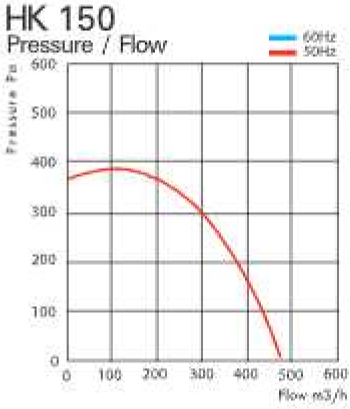
HK	125
Voltage V/Hz	220/50
Currnt. A	0.21
Input. W	45
Speed RPM	1360
Noise dB	57
Insulation class, motor	F
Motor protection	IP44
Working temp. °C	55

Dimensions



HK 150

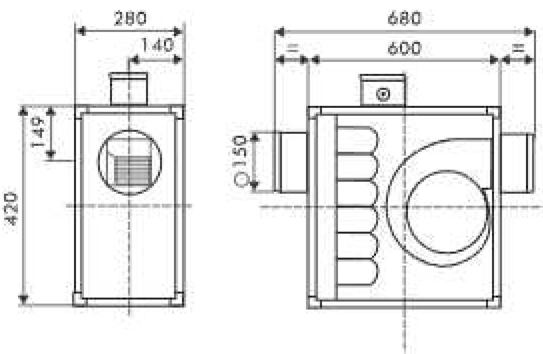
Pressure / Flow



Technical Data

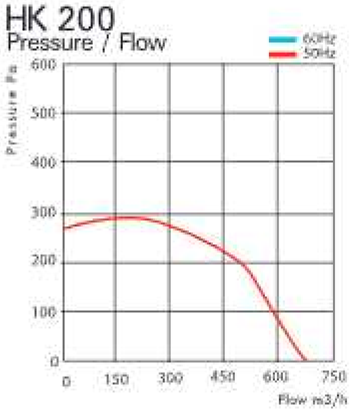
HK	150
Voltage V/Hz	220/50
Currnt. A	0.45
Input. W	120
Speed RPM	1850
Noise dB	62
Insulation class, motor	F
Motor protection	IP44
Working temp. °C	55

Dimensions



HK 200

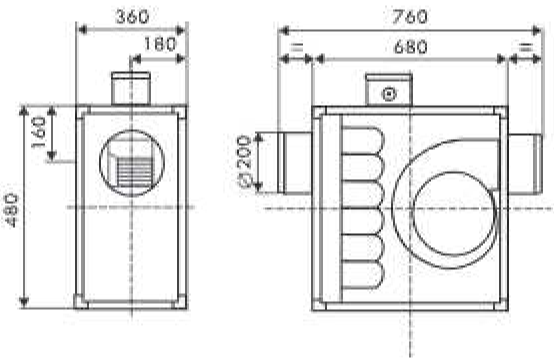
Pressure / Flow



Technical Data

HK	200
Voltage V/Hz	220/50
Currnt. A	0.55
Input. W	123
Speed RPM	1360
Noise dB	59
Insulation class, motor	F
Motor protection	IP44
Working temp. °C	55

Dimensions



Any Changes Of Specification Without Further Notice

Centrifugal Backward Double Inlet Fan

CBD

The CBD series is DIDW centrifugal fans with backward curved impellers.
All these low pressure centrifugal backward fans are designed for belt drive operations.
The wheel of CBD series has backward curved blades manufactured in mild sheet steel.
All wheels are statically and dynamically balanced to ISO 1940 G4.0.
For all sizes except 1250 and above, the housing is manufactured in galvanized sheet steel.Housing for 1250 and 1400 are manufactured in mild steel finished with polyester powder coating.
The frame is manufactured with sections of steel and finished with polyester powder coating.
Bearings used are either deep groove ball bearing type with an eccentric locking collar or an adapter sleeve, or spherrical roller bearings type sealed at both sides for different duty application.
Shaft are manufactured from C45 carbon steel using an automatic process for positioning and cutting of the keyways. All dimensional tolerances of the shaft are fully checked to ensure a precision fit and then coated with anti- corrosion varnish after assembly.

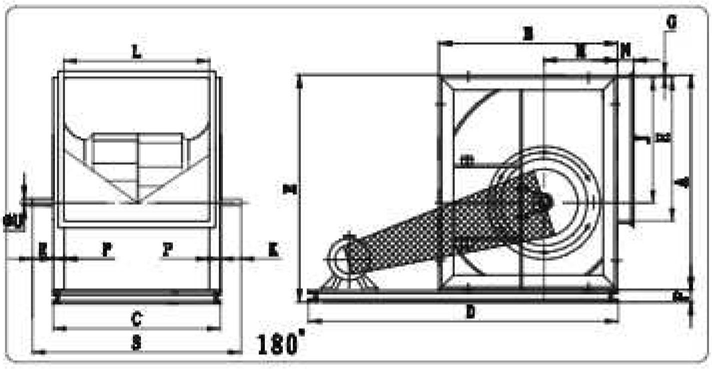
Technical Characteristic

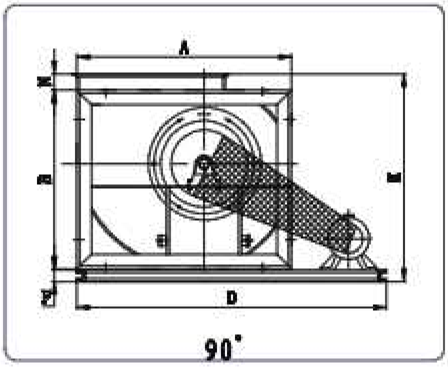
Type	Max Absorbed Pw	Max Fan Speed	Max Total Press	Weight*
	kW	RPM	Pa	Kg
CBD 315	4	4100	750	50
CBD 355	8	3800	1100	68
CBD 400	12	3200	1100	80
CBD 450	20	2900	1500	95
CBD 500	30	2500	2000	122
CBD 560	20	2200	1400	152
CBD 630	20	2000	1000	186
CBD 710	35	1800	2000	275
CBD 800	40	1600	1500	345
CBD 900	60	1400	1500	440
CBD 1000	80	1300	2200	520
CBD 1120	80	1200	1000	860
CBD 1250	80	1000	1000	1240
CBD 1400	80	900	750	1650

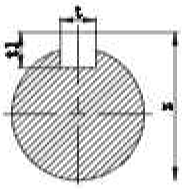
* weight includes casing, frame motor and fan cover

Centrifugal Backward Double Inlet Fan

Dimension of Part







Type	A	B	C	D		E		F	G	t	t1	z
					90°	180°	90°	180°				
CBD 315	578	480	469	1000	900	628	568	50	3	8	7	33
CBD 355	654	548	537	1050	950	704	628	50	6	10	8	38
CBD 400	736	612	591	1130	1000	786	700	50	5	10	8	38
CBD 450	827	681	653	1350	1200	892	791	65	5	12	8	43
CBD 500	918	750	723	1500	1300	983	865	65	5	12	8	43
CBD 560	1030	844	799	1600	1400	1095	957	65	7	14	9	48.3
CBD 630	1157	945	905	1750	1500	1222	1063	65	6	14	9	53.5
CBD 710	1302	1057	1003	1900	1600	1382	1200	80	7	14	9	53.5
CBD 800	1468	1180	1131	2000	1700	1548	1334	80	7	16	10	59
CBD 900	1648	1319	1255	2300	1950	1748	1508	100	7	18	11	64
CBD 1000	1810	1450	1411	2500	2100	1910	1640	100	9	18	11	64
CBD 1120	2033	1630	1485	2750	2300	2153	1845	120	9	20	12	79.5
CBD 1250	2285	1831	1655	3000	2500	2405	2050	120	9	22	14	85
CBD 1400	2568	2057	1855	3500	3000	2708	2310	140	13	22	14	85

Type	H	J	K	L	M	N	P	R	S	ØU
CBD 315	400	340	84	404	198	38	30	84	632	30
CBD 355	450	383	96	452	230	30	40	96	724	35
CBD 400	500	432	96	506	252	38	40	96	778	35
CBD 450	560	486	118	568	277	45	40	118	884	40
CBD 500	630	538	118	538	302	50	40	118	954	40
CBD 560	710	603	148	714	342	48	40	148	1090	45
CBD 630	800	679	138	800	381	53	50	138	1176	50
CBD 710	900	765	138	898	421	63	50	138	1274	50
CBD 800	1000	862	128	1006	466	74	60	128	1382	55
CBD 900	1120	971	158	1130	515	89	60	158	1566	60
CBD 1000	1250	1066	159	1266	566	90	70	159	1724	60
CBD 1120	1400	1200	49	1340	653	95	70	183	1712	75
CBD 1250	1560	1353	81	1500	731	99	75	220	1951	80
CBD 1400	1750	1515	89	1730	850	113	75	227	2196	80

Dimension : mm

Any Changes Of Specification Without Further Notice

Centrifugal Backward Double Inlet Fan

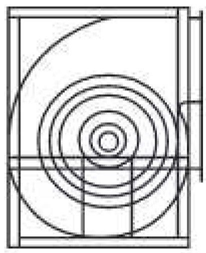
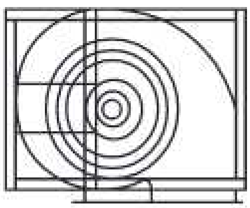
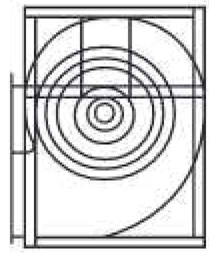
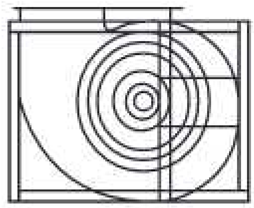
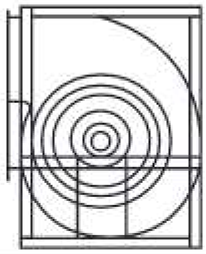
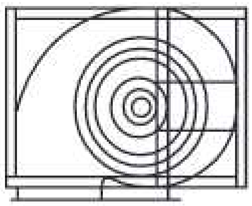
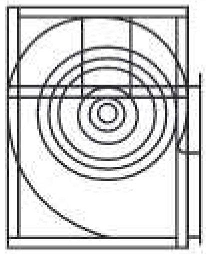
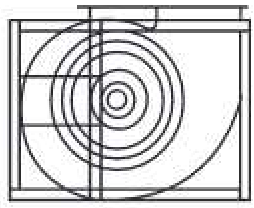
Balancing Quality

All wheels are statically and dynamically balanced to ISO 1 **940G4.0.**

Fan Rotation

CW : Clockwise Rotation

CCW : Counter Clockwise Rotation

	180°	270°	0°	90°
CW				
CCW				

Noise

The noise level shown on each diagram refer to the sound power "A-weighted" and the data on the 1M from outlet side has been measured In accordance with AMCA standard 300 diag, 2-configuration "B" . The noise leves of the fans are determined as :

Sound Pressure Level :

a) Free Field

Lp (A) = Lw (A) • (20log d) - 11

b) Room Conditions

Lp (A) = Lw (A) - (20log d) - 7

where d = distance of fan (m)

Example Selection

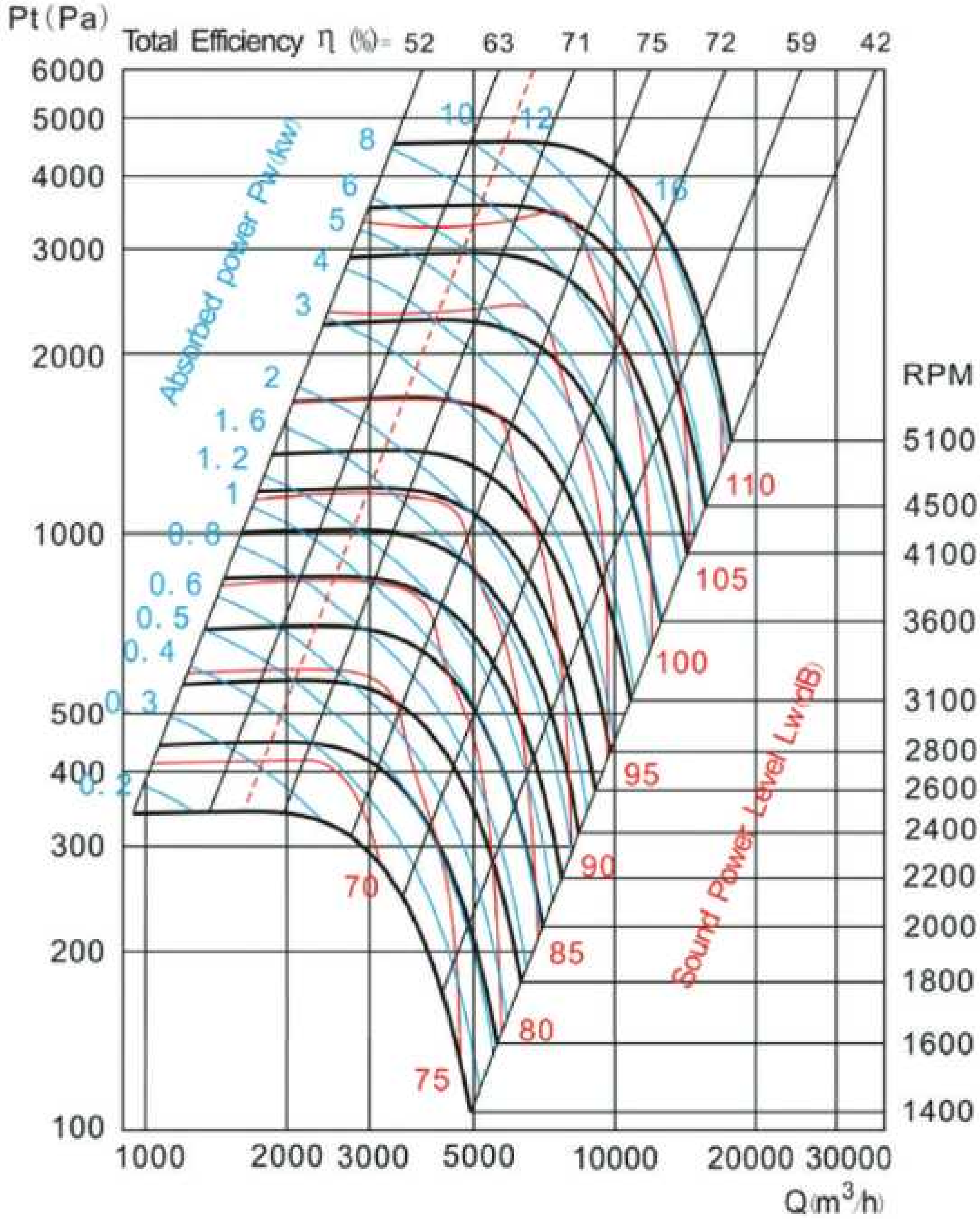
Selected fan	CBS630
Fan size	630 mm
Air voume	12600
Total pressure	1700 Pa
Fan speed	1600 RPM
Total efficiency	77%
Absorbed power	8 k W
Sound power evel	90 dB
Motor rating safety margin	9.2 kW

up to 10 k W = 15 %

over 10 kW = 1 2 %

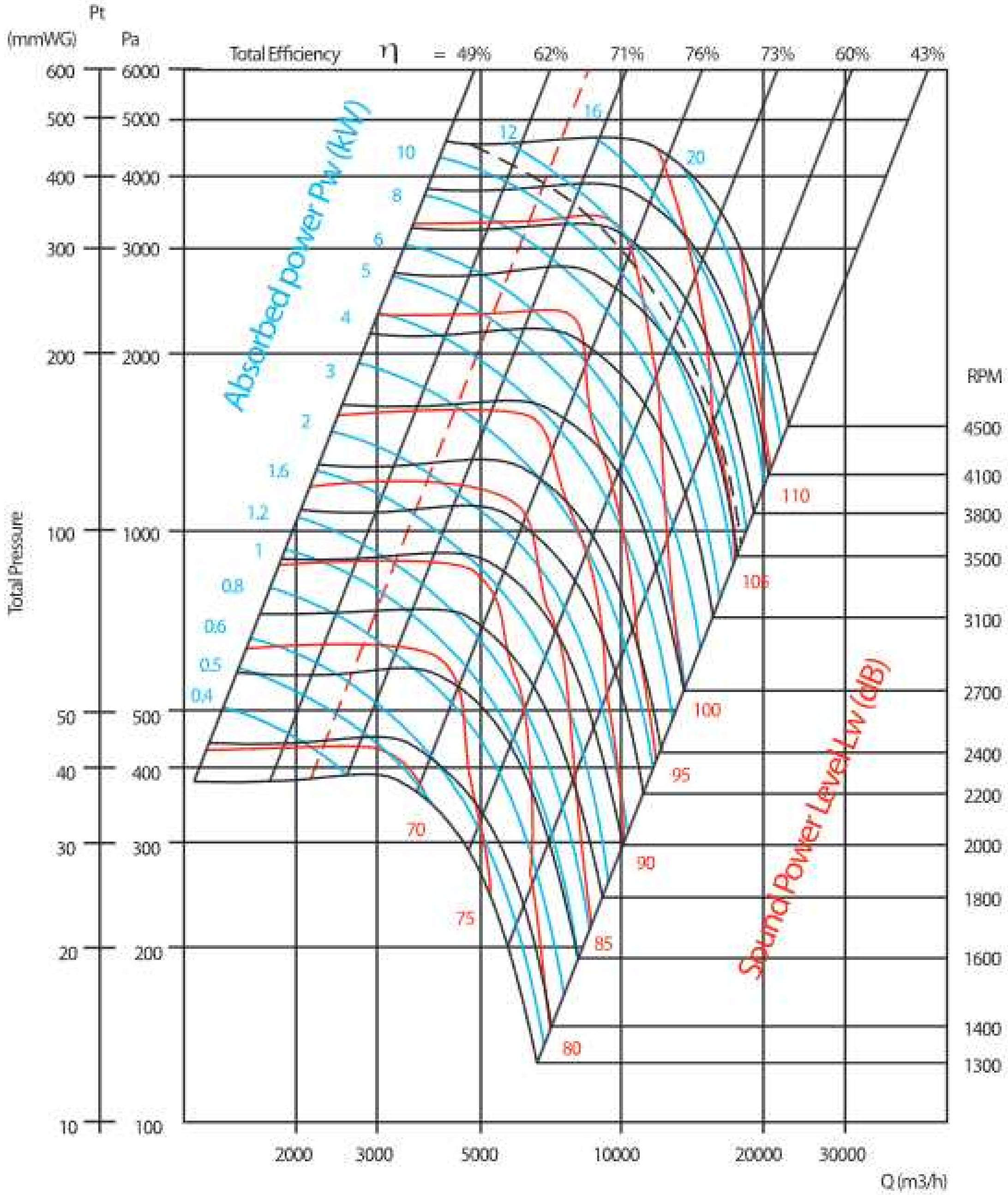
Performance Curve

CBD315

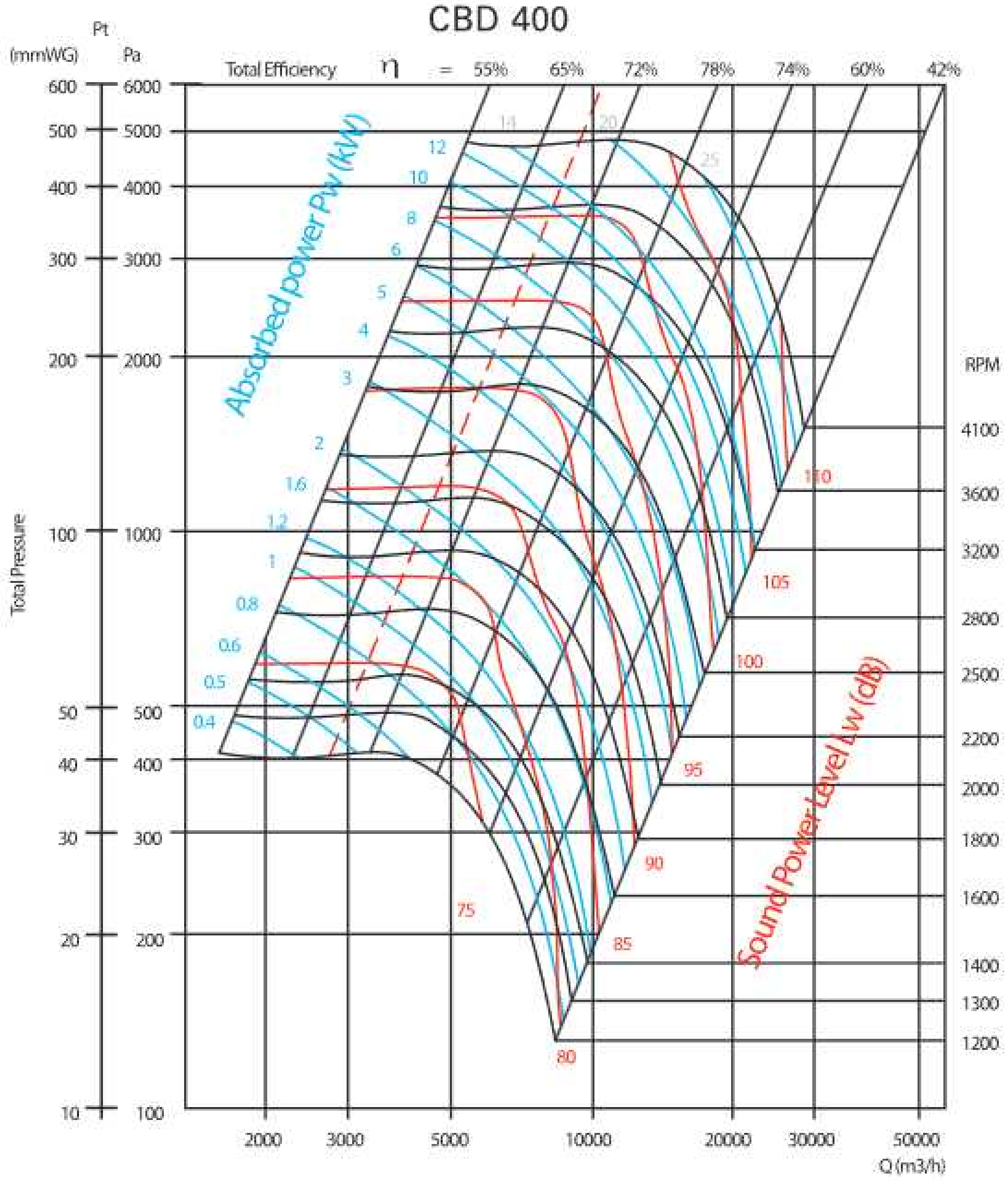


Performance Curve

CBD 355

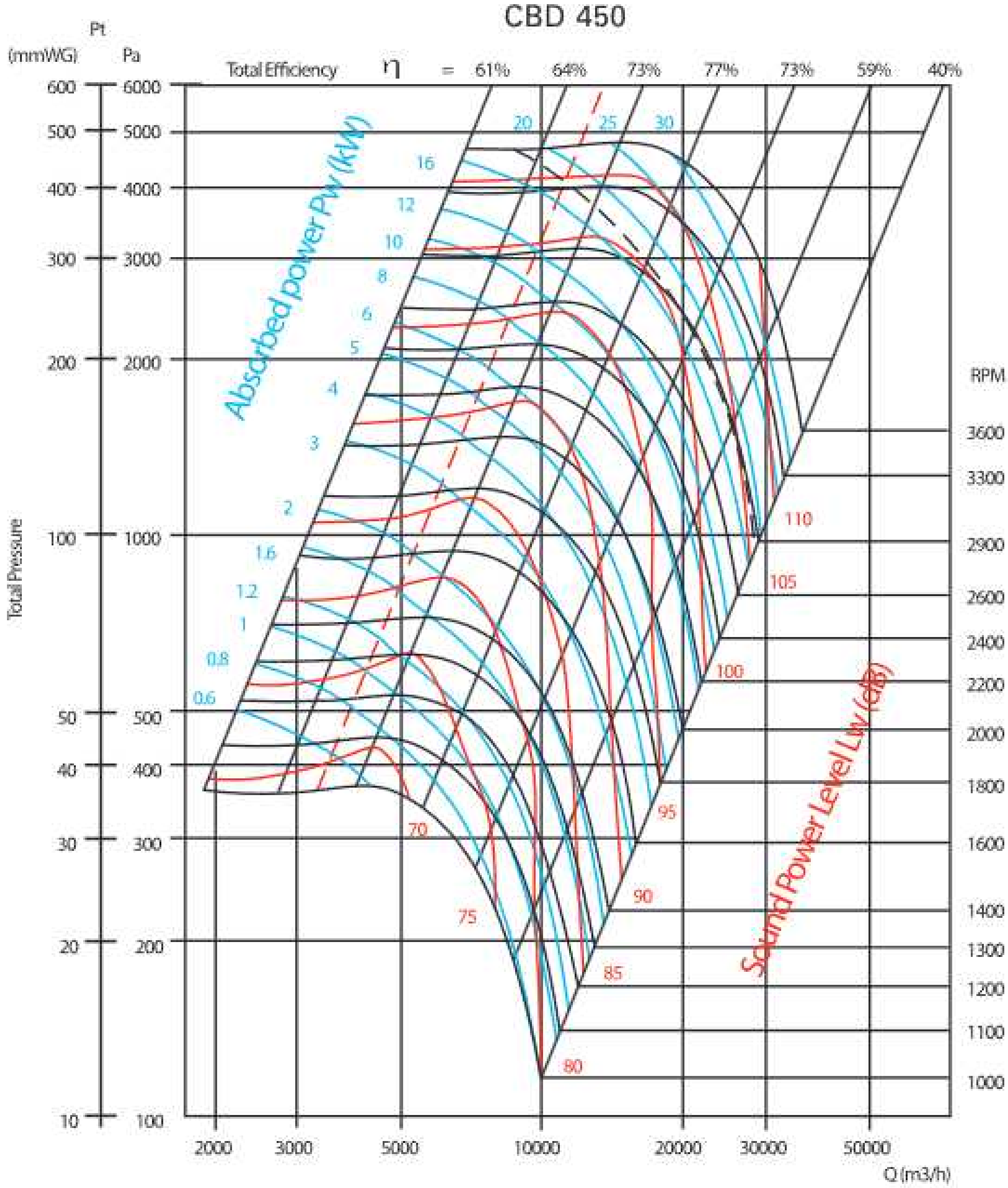


Performance Curve

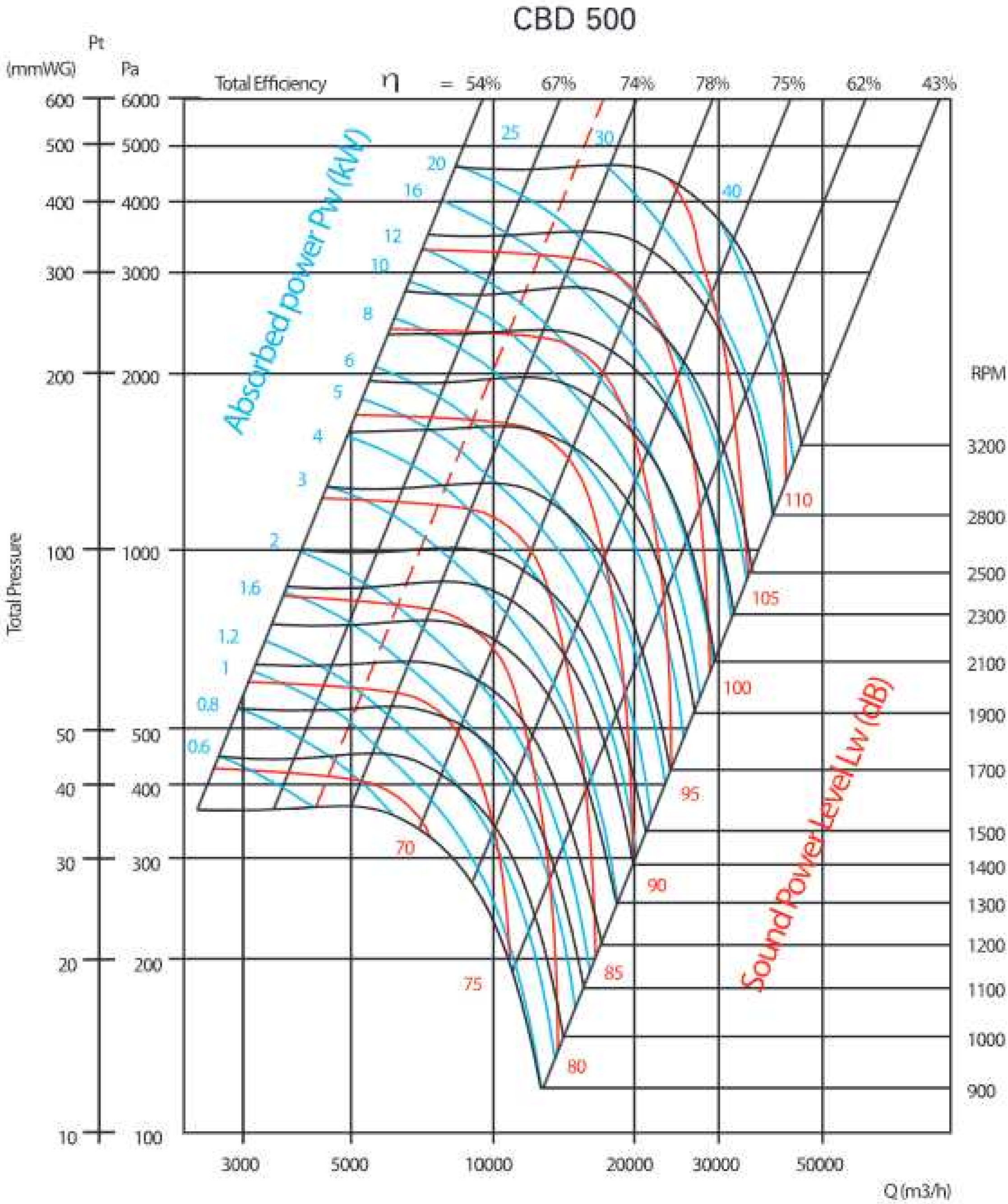


Any Changes Of Specification Without Further Notice

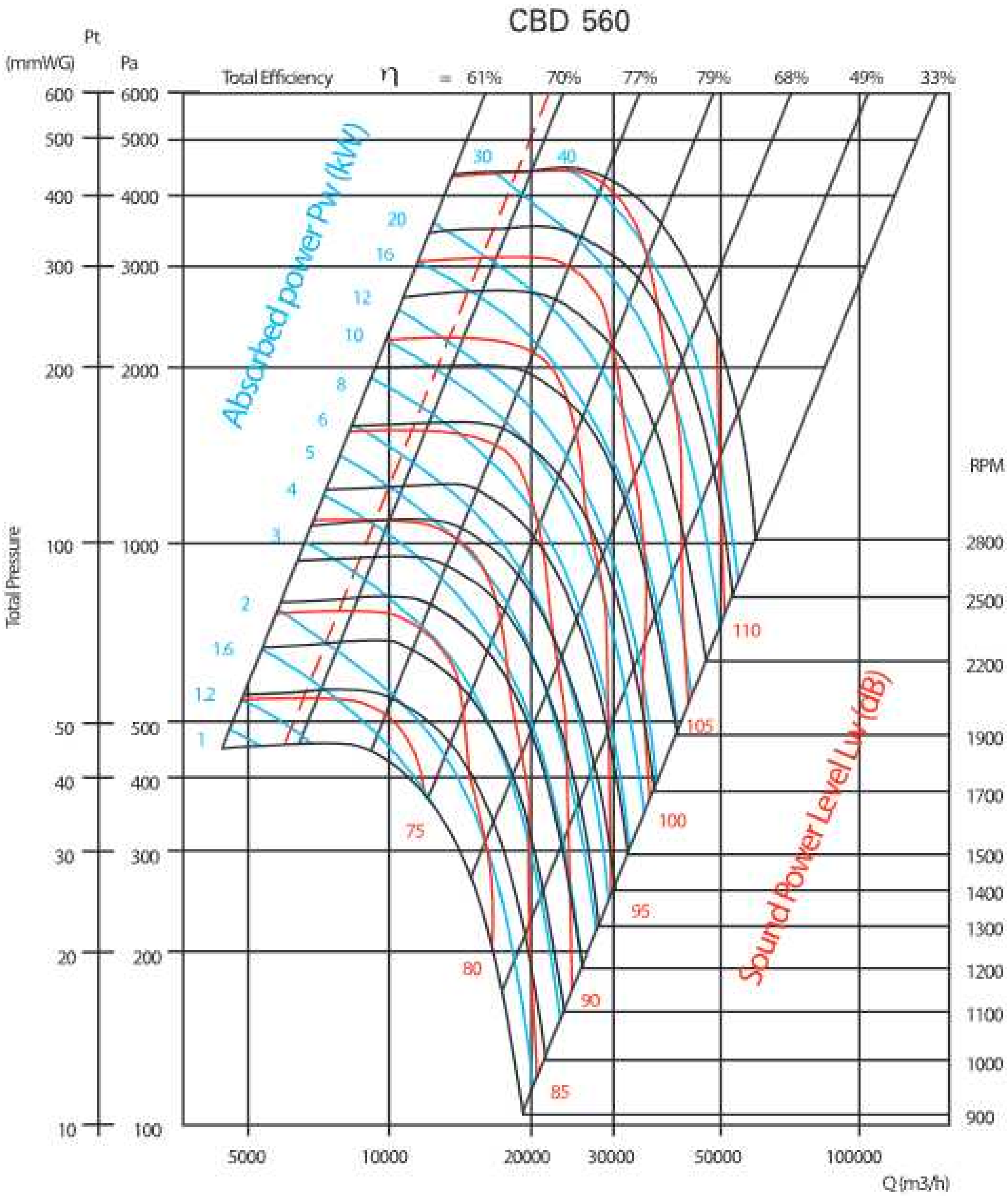
Performance Curve



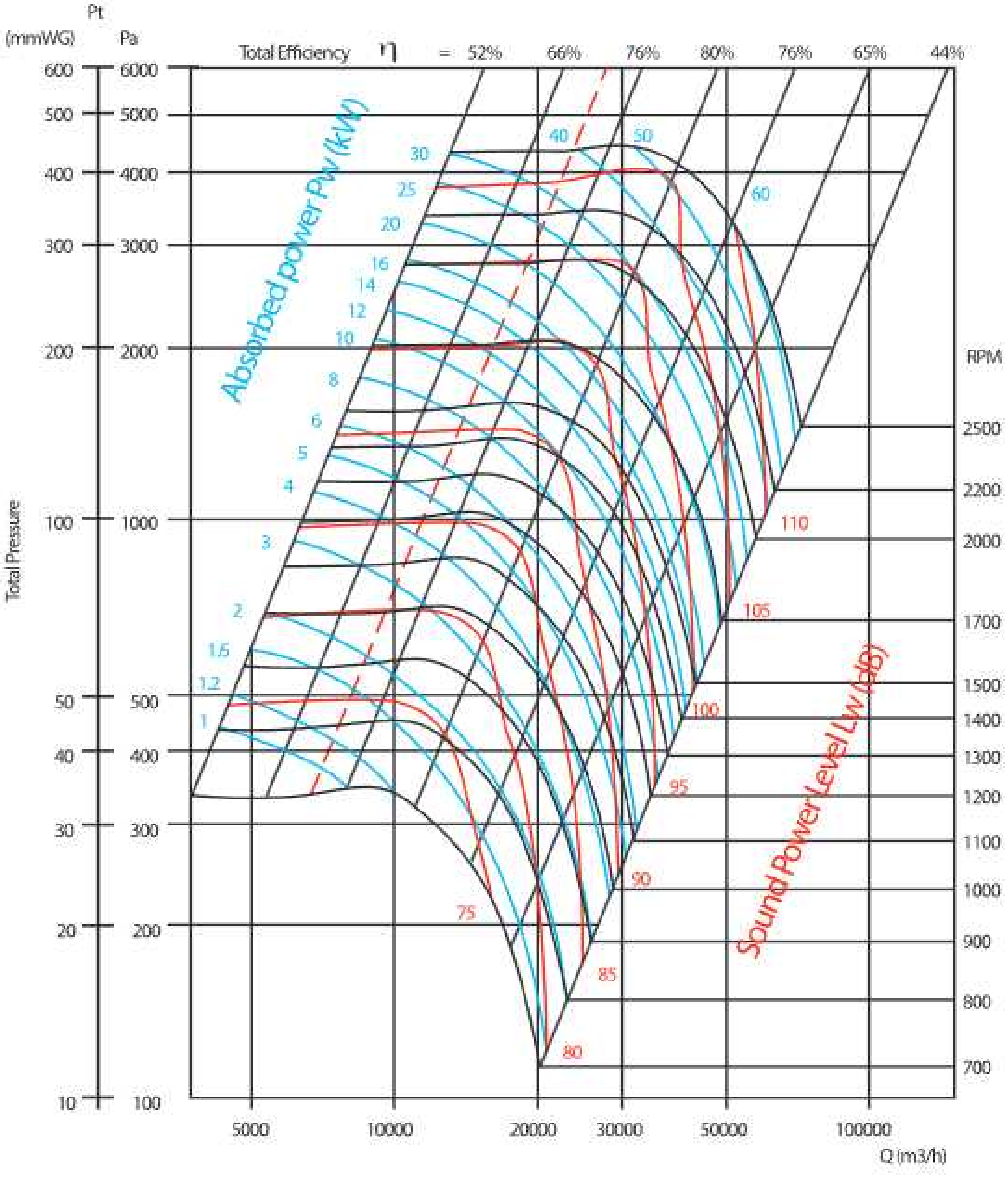
Performance Curve



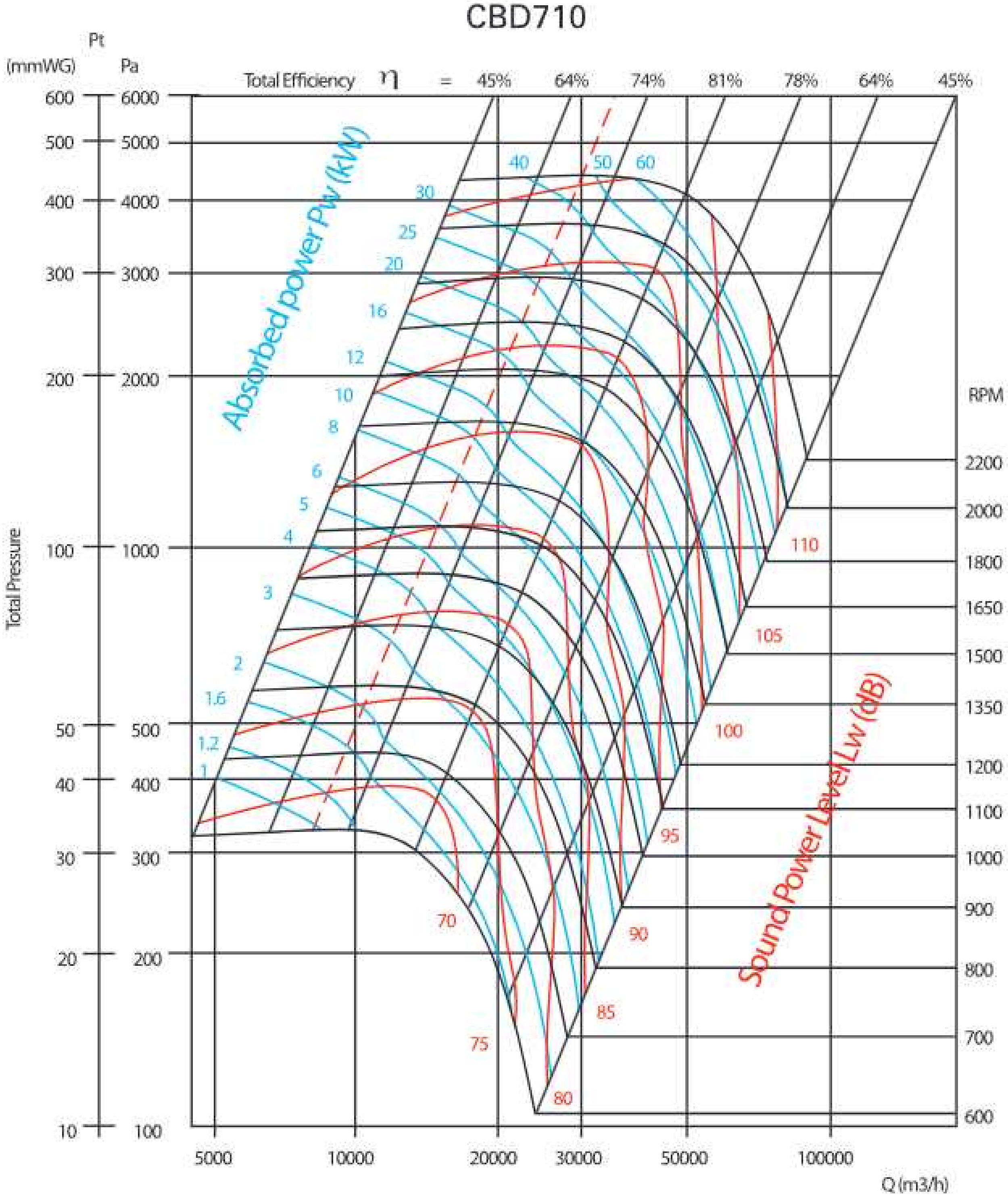
Performance Curve



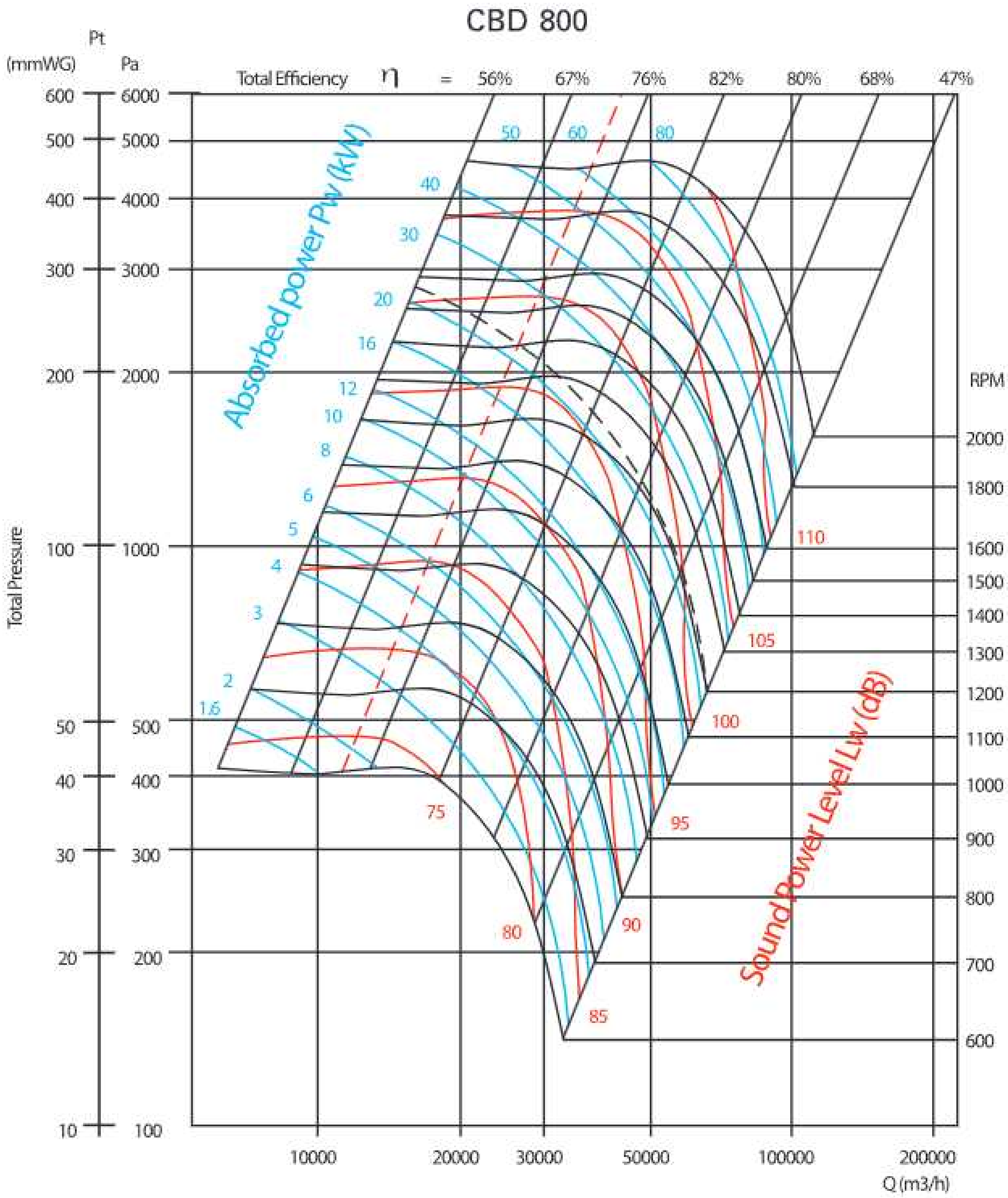
Performance Curve



Performance Curve

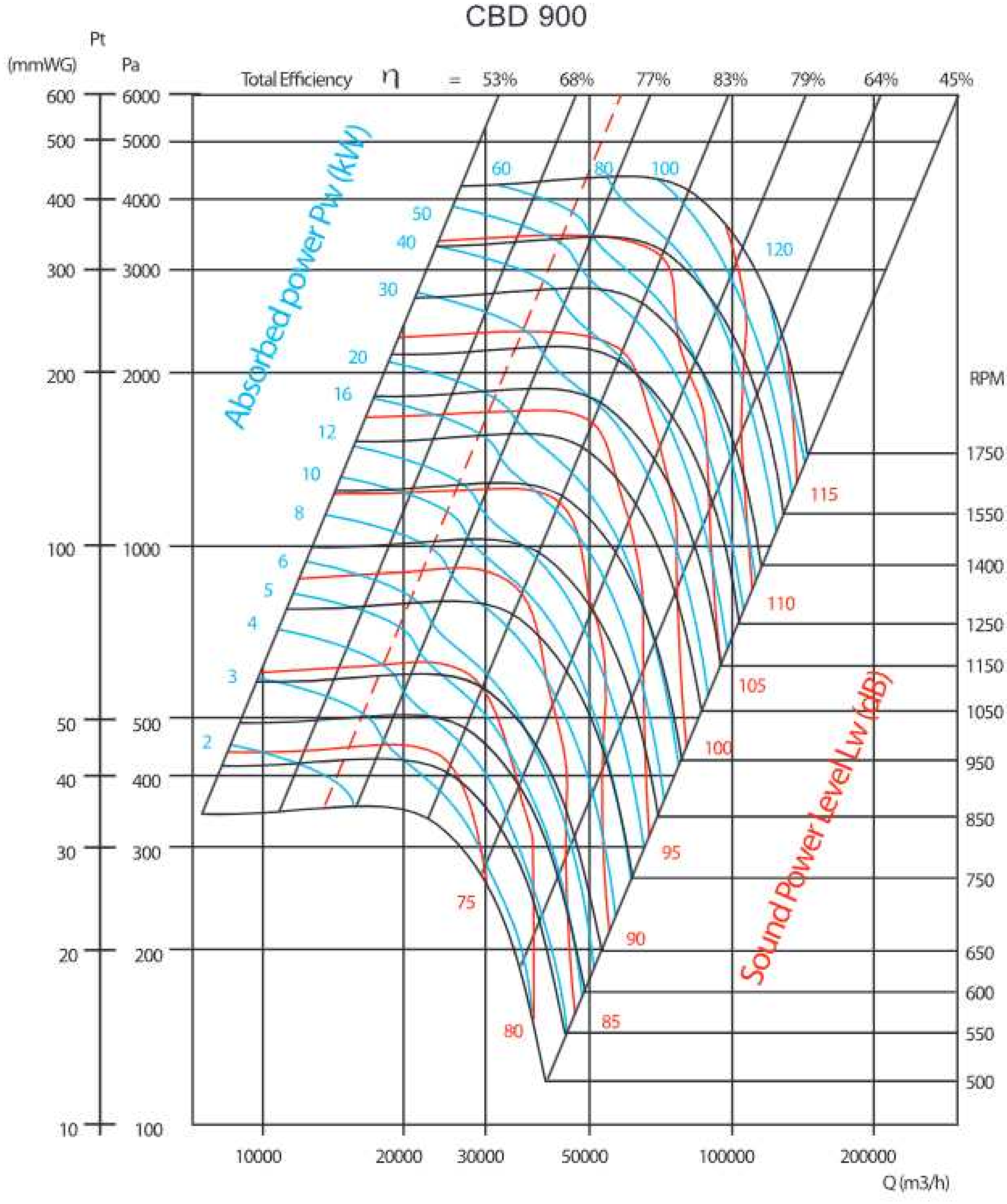


Performance Curve

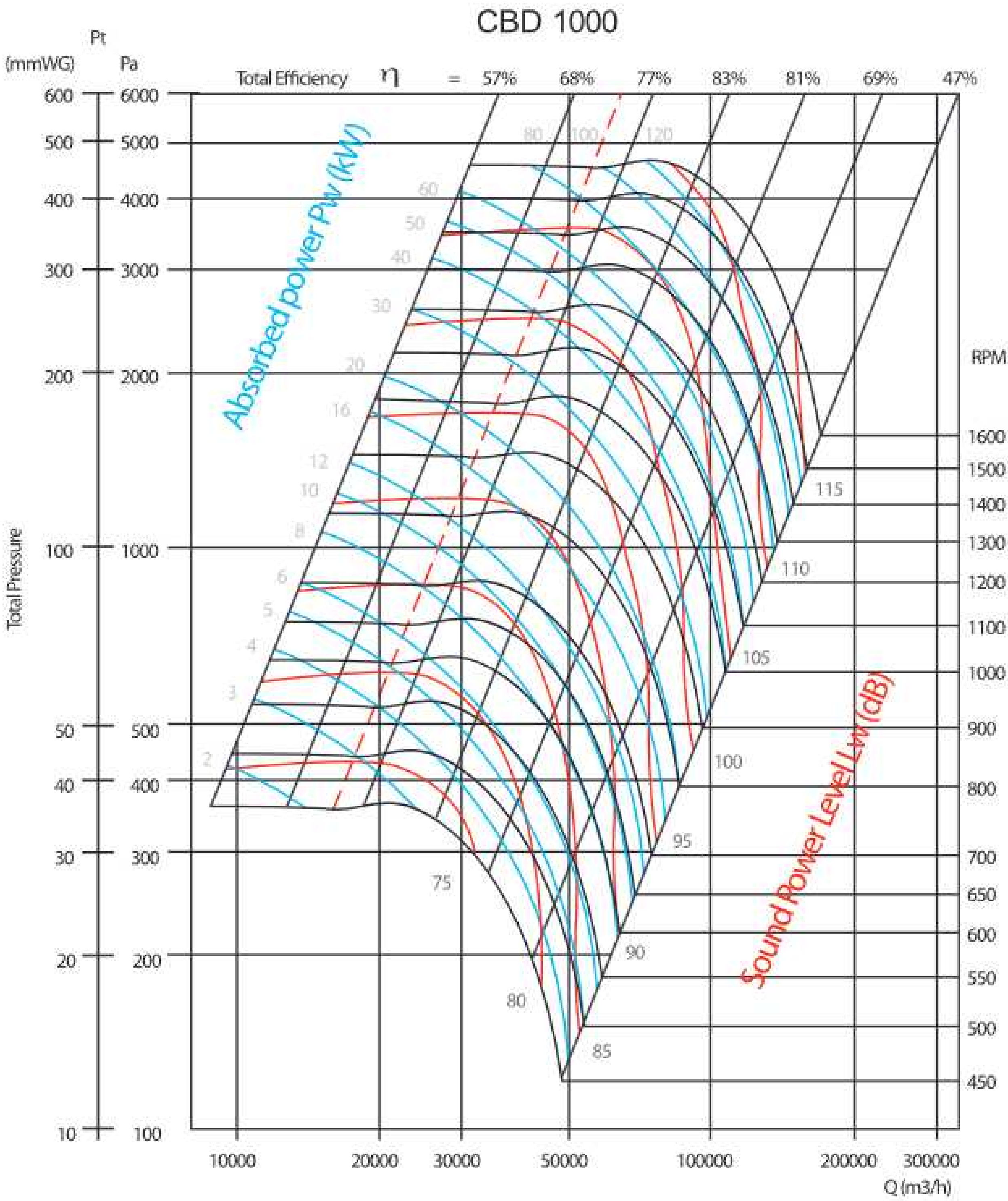


Any Changes Of Specification Without Further Notice

Performance Curve

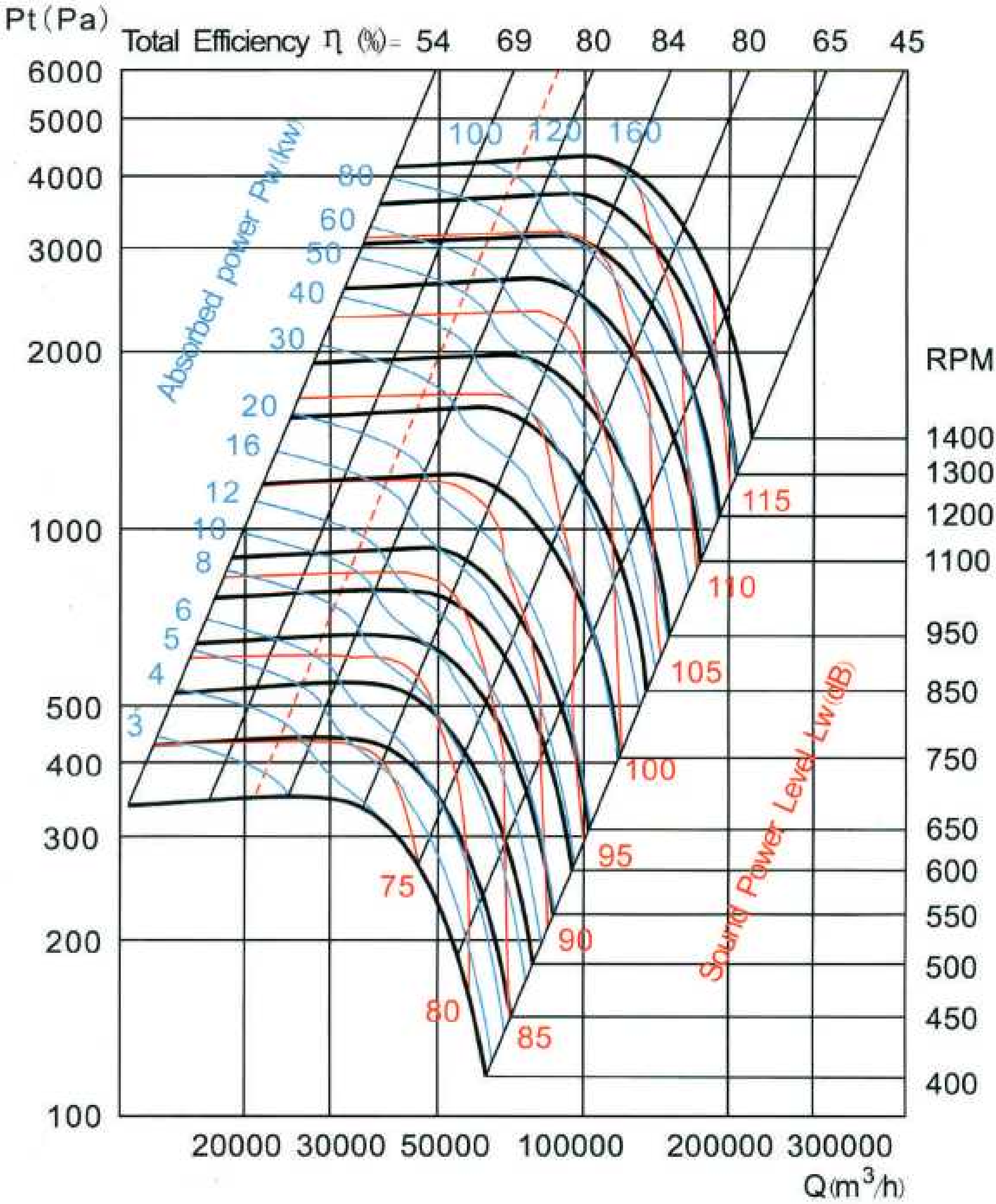


Performance Curve

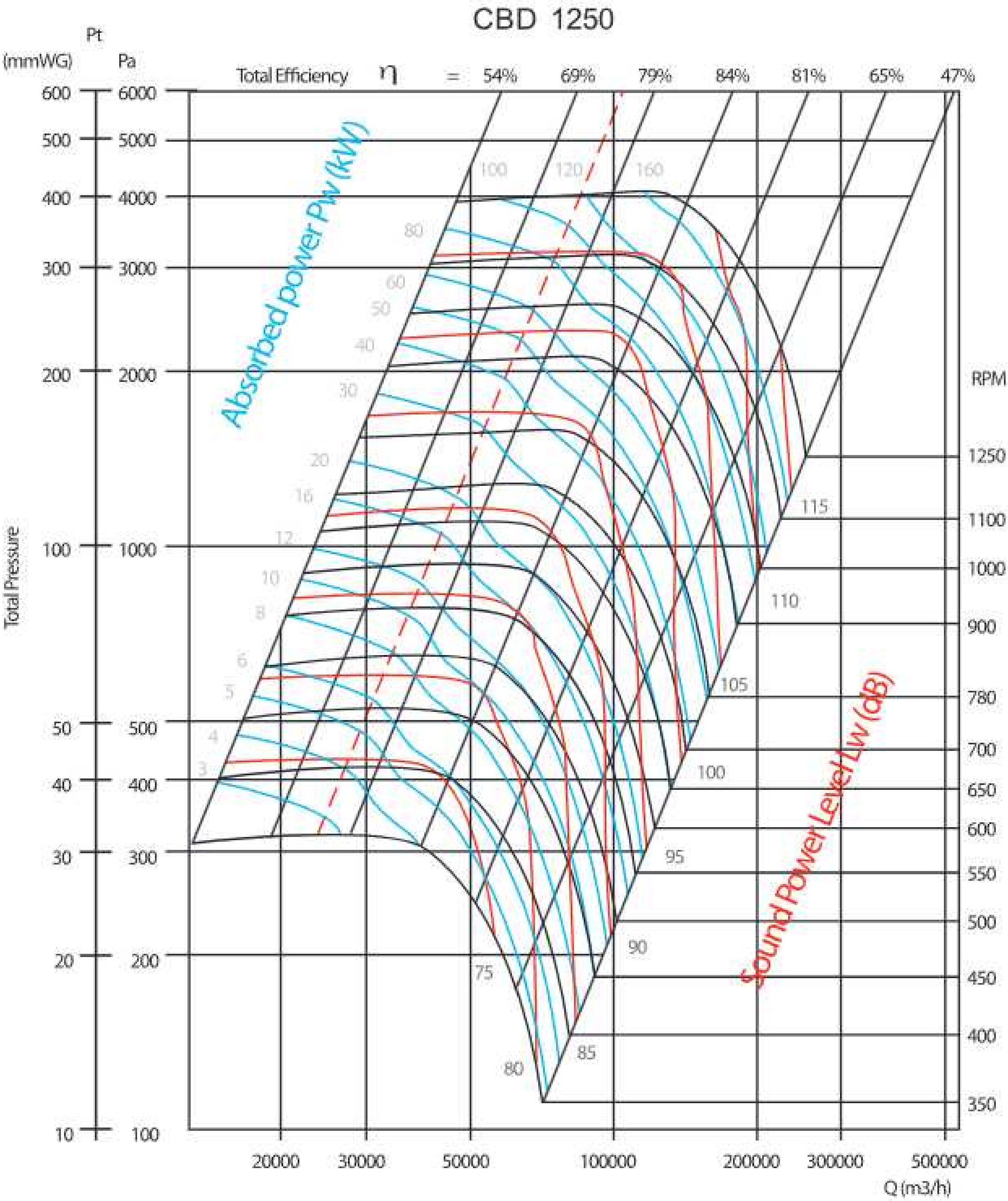


Performance Curve

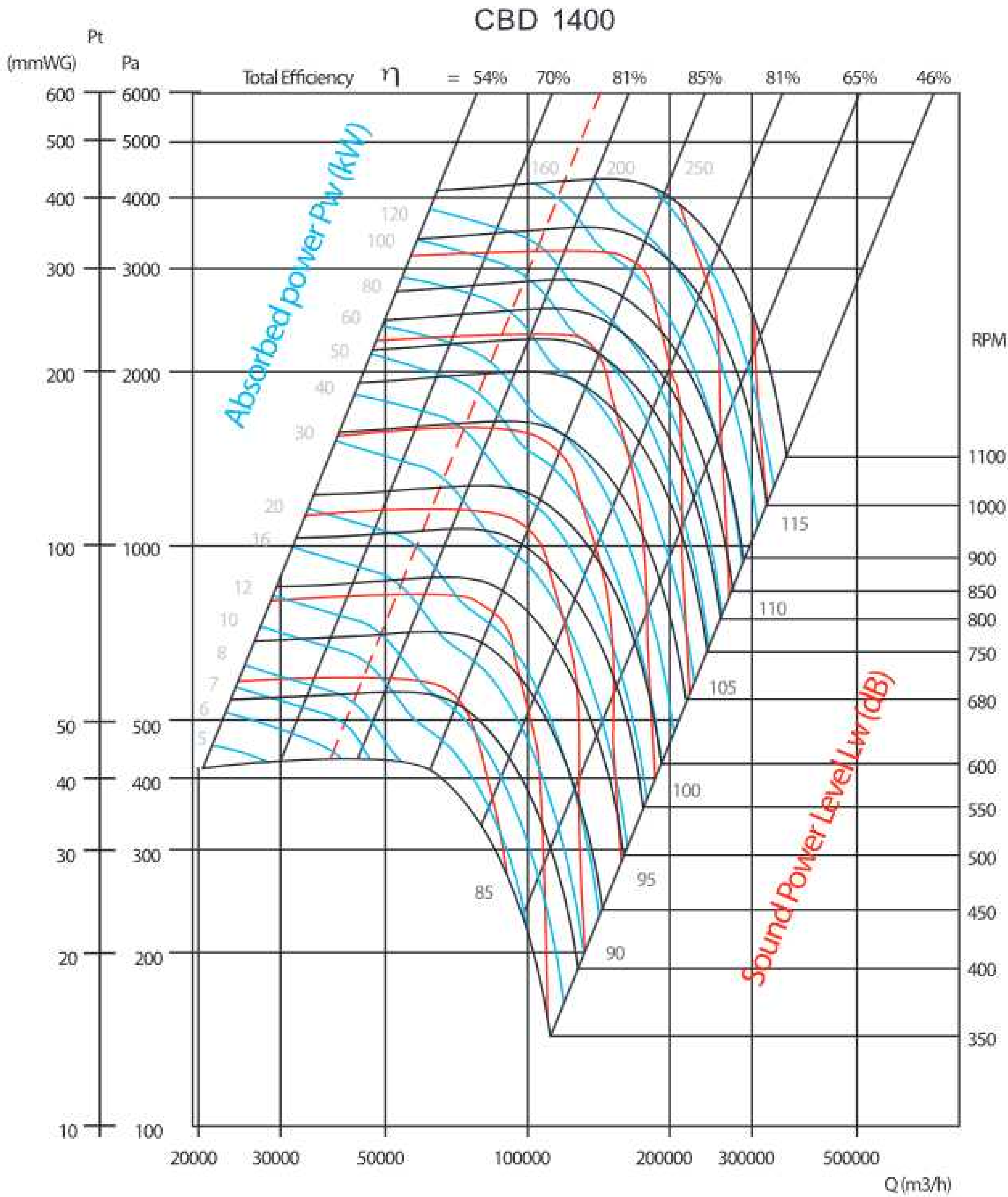
CBD 1120



Performance Curve



Performance Curve



Centrifugal Backward Single Inlet Fan

CBS

The CBS series is SISW centrifugal fans with backward curved impellers. All these low pressure centrifugal backward fans are designed for belt drive operations.

Wheel

The wheel of CBS series has backward curved blades manufactured in mild sheet steel.
All wheels are statically and dynamically balanced to ISO 1940 G4.0.

Housing

For all sizes except 1250 and above, the housing is manufactured in galvanized sheet steel. Housing for 1250 and 1400 are manufactured in mild steel finished with polyester powder coating.

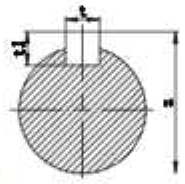
Technical Characteristic

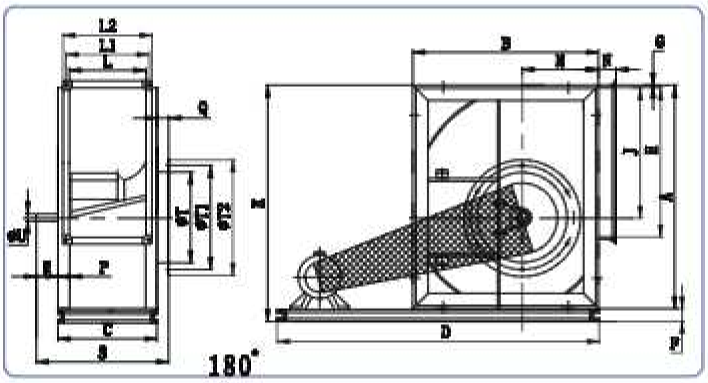
Type	Max Absorbed Pw kW	Max Fan Spd RPM	Max Total Press Pa	Weight* Kg
CBS 315	3	4200	850	42
CBS 355	3	3700	800	58
CBS 400	6	3300	1000	68
CBS 450	10	2900	1500	83
CBS 500	12	2550	1600	107
CBS 560	16	2300	1000	143
CBS 630	16	2000	1250	173
CBS 710	20	1950	1250	223
CBS 800	25	1600	1750	267
CBS 900	25	1500	800	327
CBS 1000	30	1250	1000	387
CBS 1120	30	1150	1000	684
CBS 1250	40	1000	1000	976
CBS 1400	50	880	1000	1285

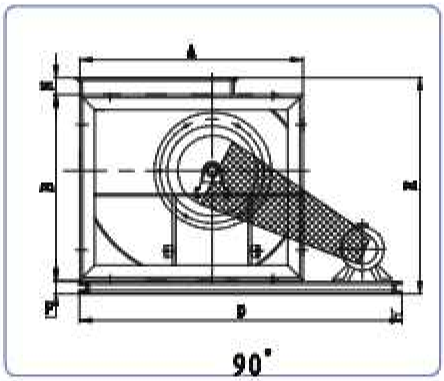
*weight includes casing, frame motor and fan cover

Centrifugal Backward Double Inlet Fan

Dimension of Parts



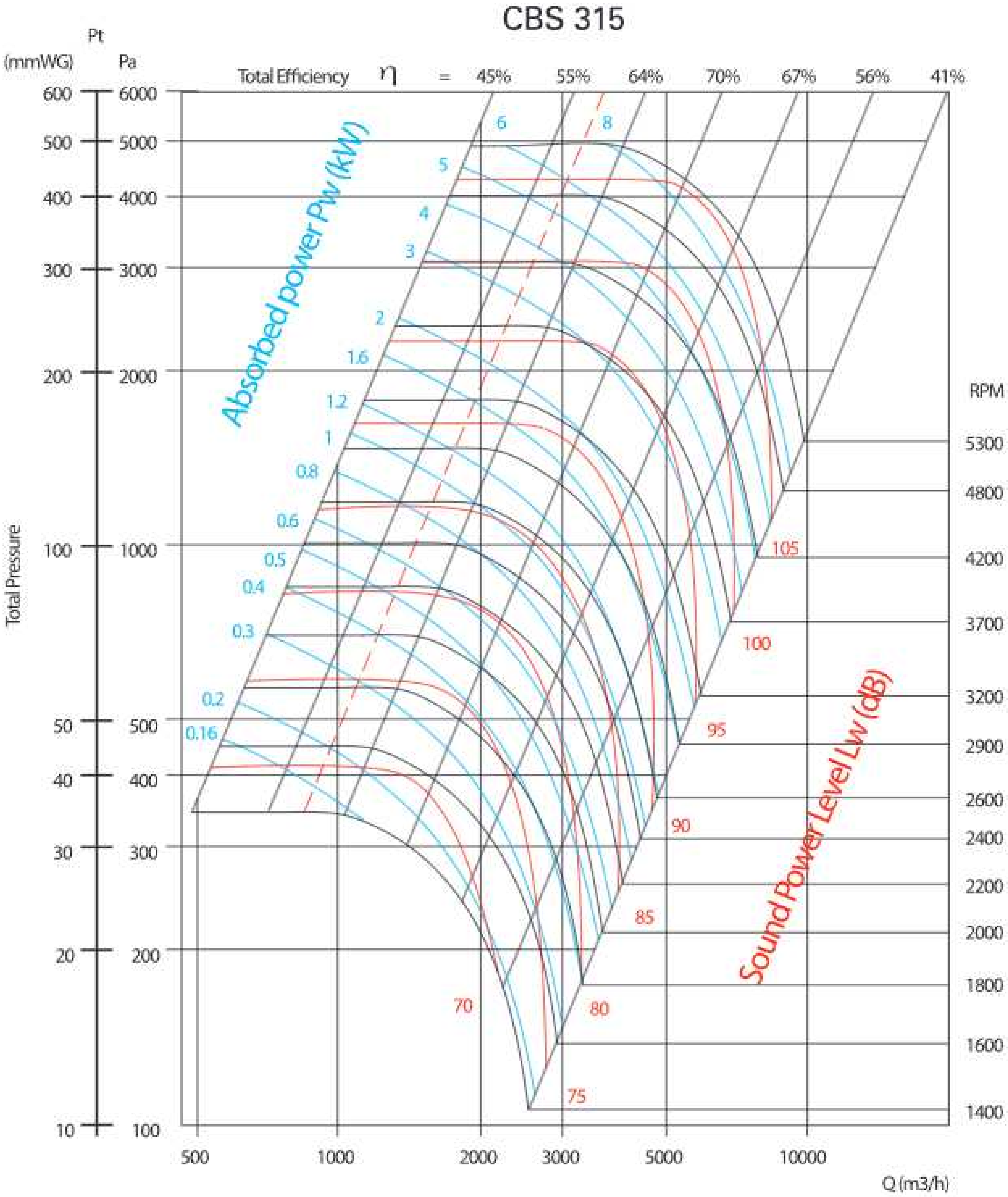




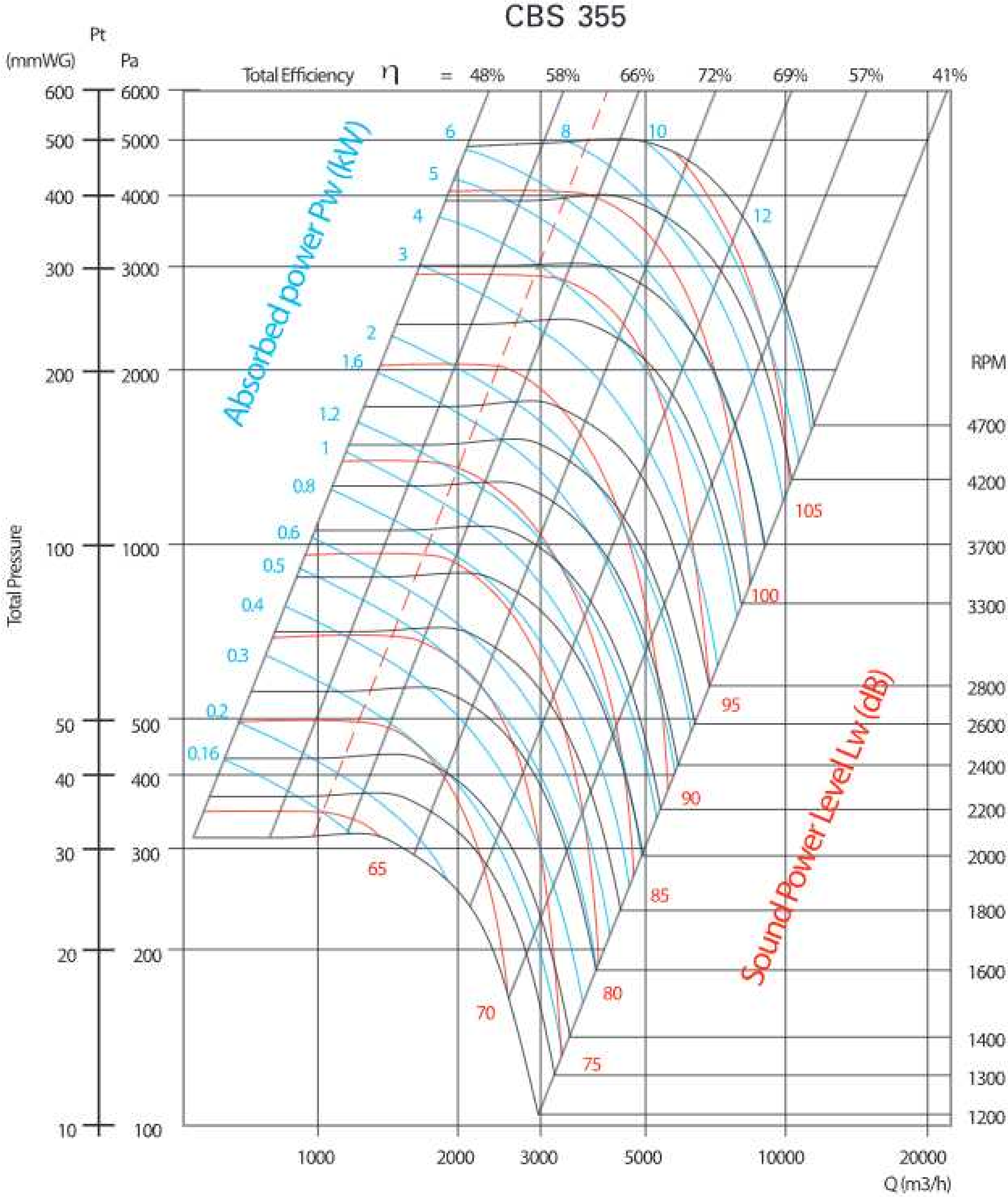
Type	A	B	C	D		E		F	G	H	J	t	t1	z
					90°	180°	90°	180°						
CBS 315	578	480	288	1000	900	628	568	50	3	400	340	8	7	33
CBS 355	645	548	332	1050	950	704	628	50	6	450	383	10	8	38
CBS 400	736	612	359	1130	1000	786	700	50	5	500	432	10	8	38
CBS 450	827	681	393	1350	1200	892	791	65	5	560	486	12	8	43
CBS 500	918	750	430	1500	1300	983	865	65	5	630	538	12	8	43
CBS 560	1030	844	468	1600	1400	1095	957	65	7	710	603	14	9	48.5
CBS 630	1157	945	538	1750	1500	1222	1063	65	6	800	679	14	9	53.5
CBS 710	1302	1057	584	1900	1600	1382	1200	80	7	900	765	14	9	53.5
CBS 800	1468	1180	658	2000	1700	1548	1334	80	7	1000	862	16	10	59
CBS 900	1648	1319	720	2300	1950	1748	1508	100	7	1120	971	18	11	64
CBS 1000	1810	1450	808	2500	2100	1910	1640	100	9	1250	1066	18	11	64
CBS 1120	2033	1630	860	2750	2300	2153	1845	120	9	1400	1200	20	12	79.5
CBS 1250	2285	1831	955	3000	2500	2405	2050	120	9	1560	1353	22	14	85
CBS 1400	2568	2057	1055	3500	3000	2708	2310	140	13	1750	1515	22	14	85

Type	L	L1	L2	M	N	P	Q	R	S	T	T1	T2	U
CBS 315	223	251	279	198	38	30	50	84	417	315	350	380	30
CBS 355	247	275	303	230	40	40	40	96	463	355	400	430	35
CBS 400	274	302	330	252	40	40	60	96	510	400	450	480	35
CBS 450	308	336	364	277	40	40	60	118	566	450	500	530	40
CBS 500	345	373	401	302	40	40	60	118	603	500	550	580	40
CBS 560	383	411	439	342	40	40	60	124	647	560	610	646	45
CBS 630	433	461	489	381	50	50	70	114	717	630	680	716	50
CBS 710	479	507	535	421	50	50	70	138	787	710	760	796	50
CBS 800	533	561	598	466	60	60	60	128	841	800	850	886	55
CBS 900	595	623	651	515	60	60	60	136	911	900	950	986	60
CBS 1000	663	691	719	566	70	70	50	126	979	1000	1050	1086	60
CBS 1120	715	743	771	653	70	70	130	153	1137	1120	1180	1226	75
CBS 1250	800	728	865	731	75	75	125	166	1250	1250	1310	1356	80
CBS 1400	900	950	1000	850	75	75	125	181	1396	1400	1460	1506	80

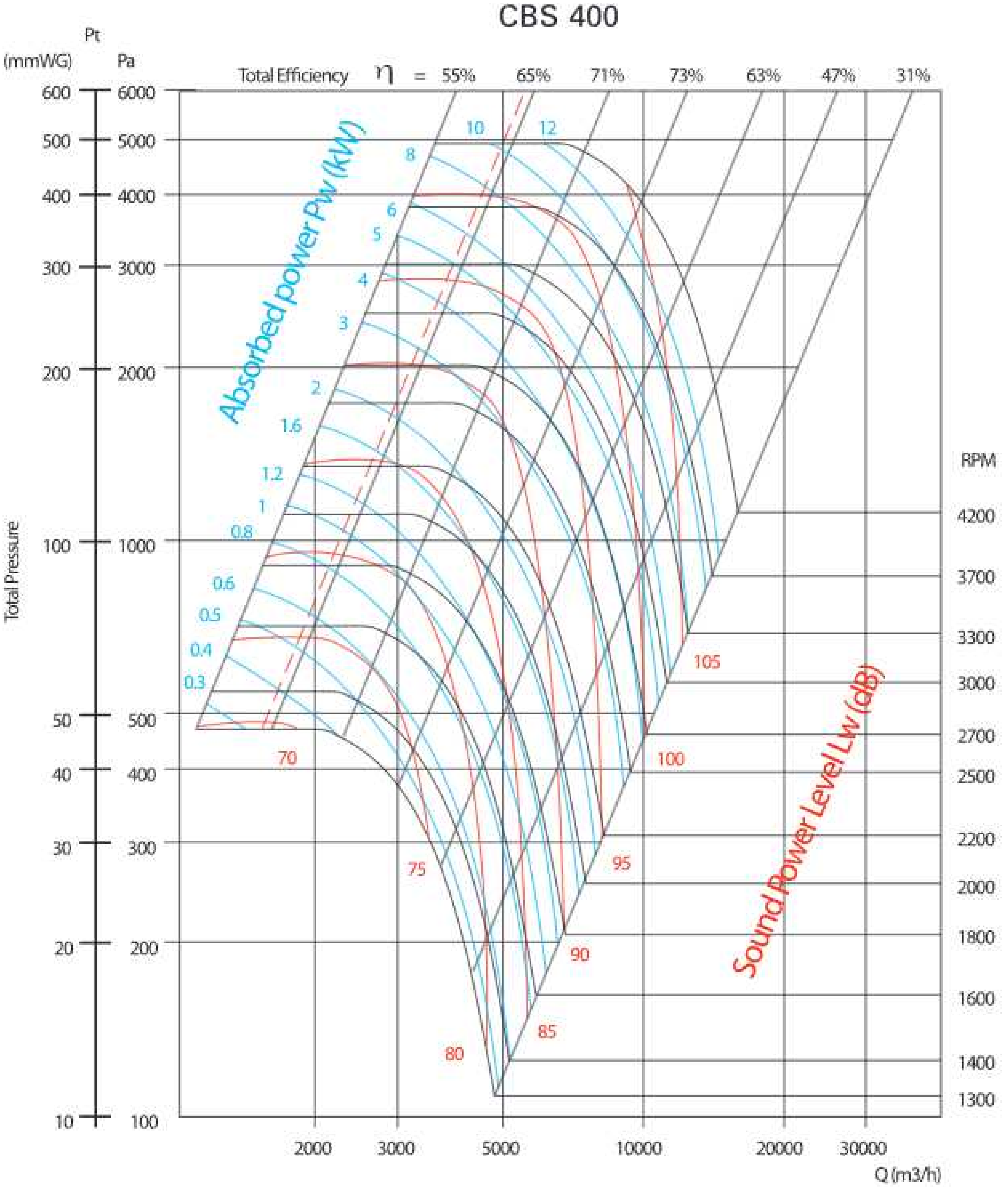
Performance Curve



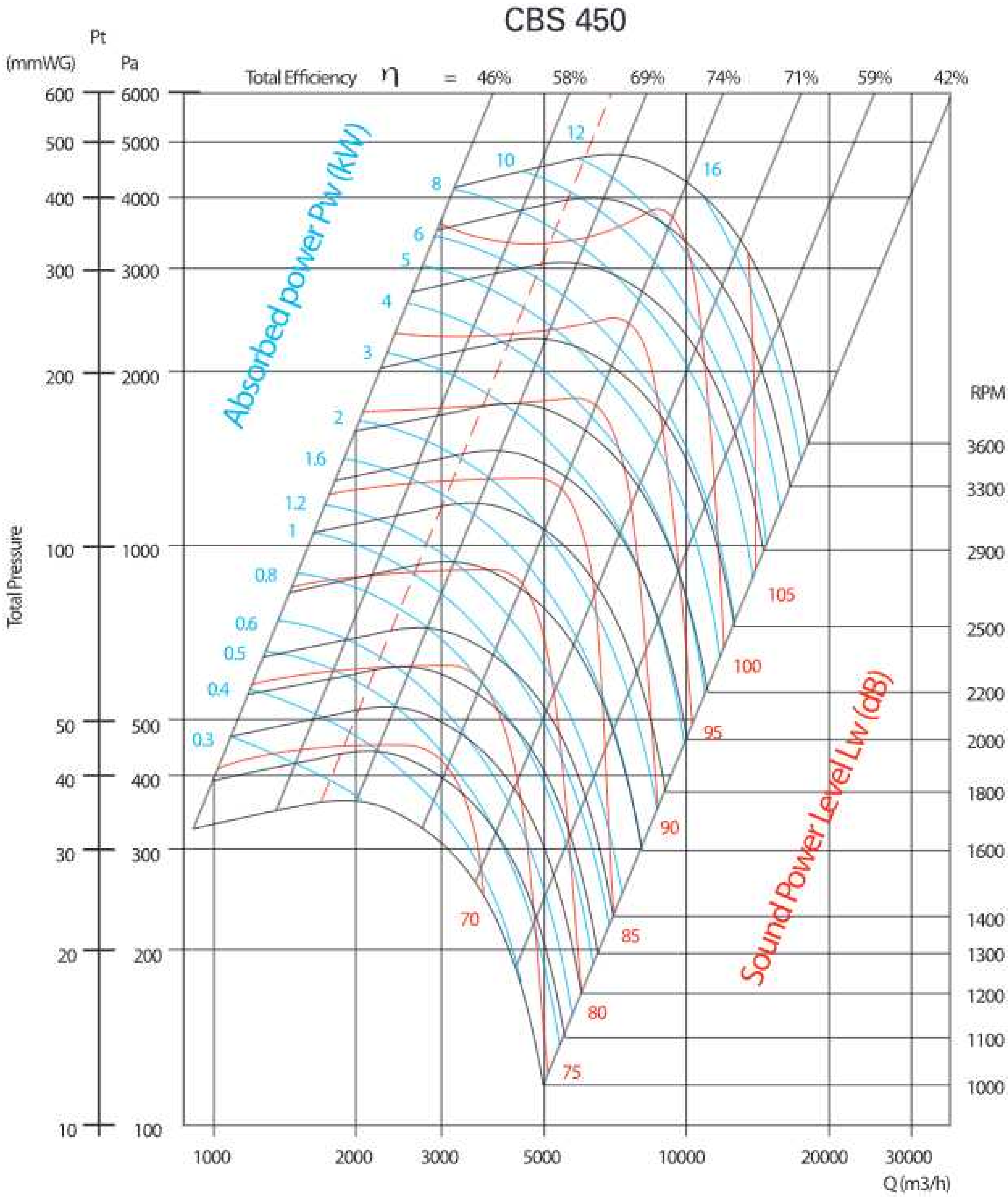
Performance Curve



Performance Curve

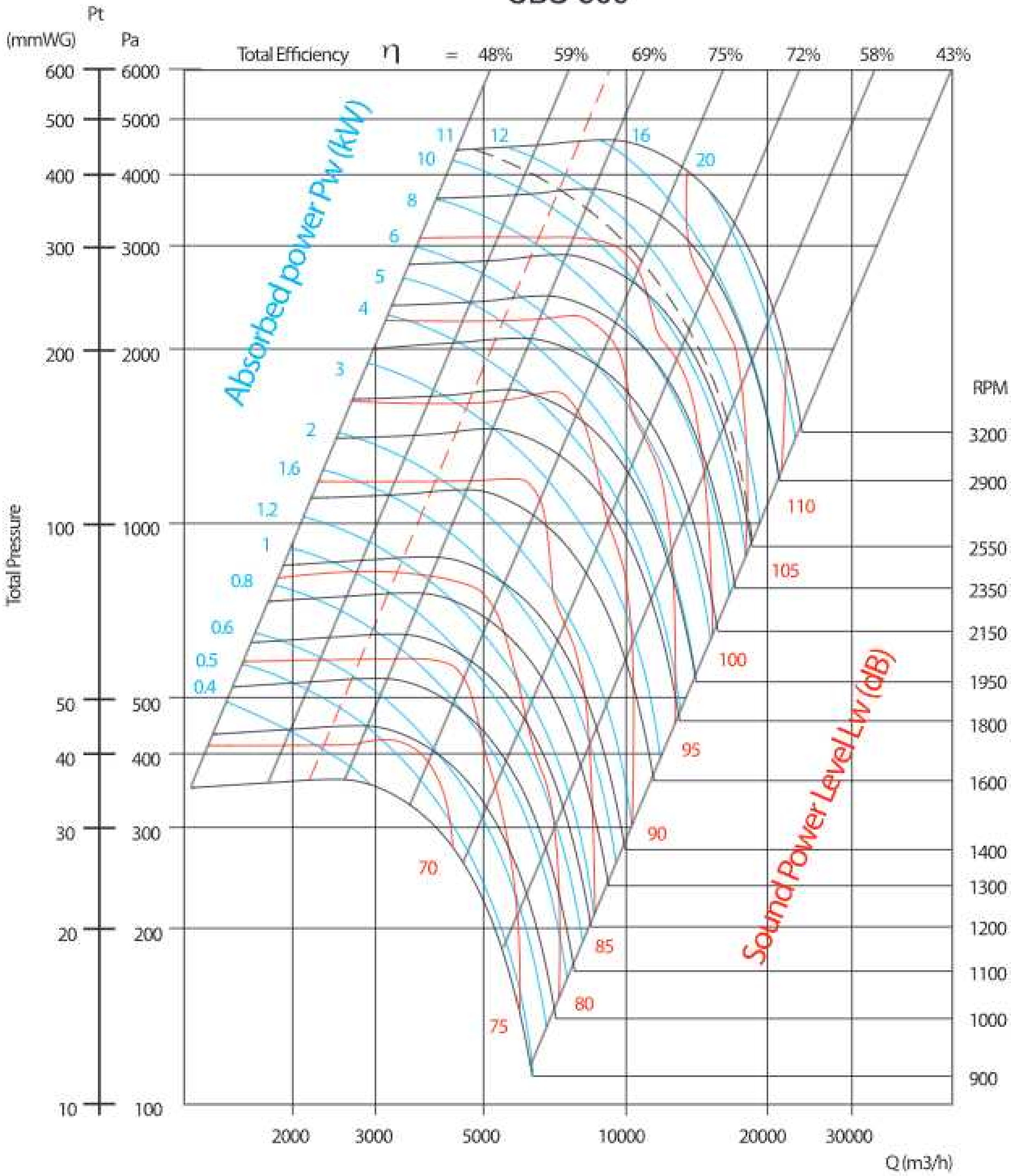


Performance Curve

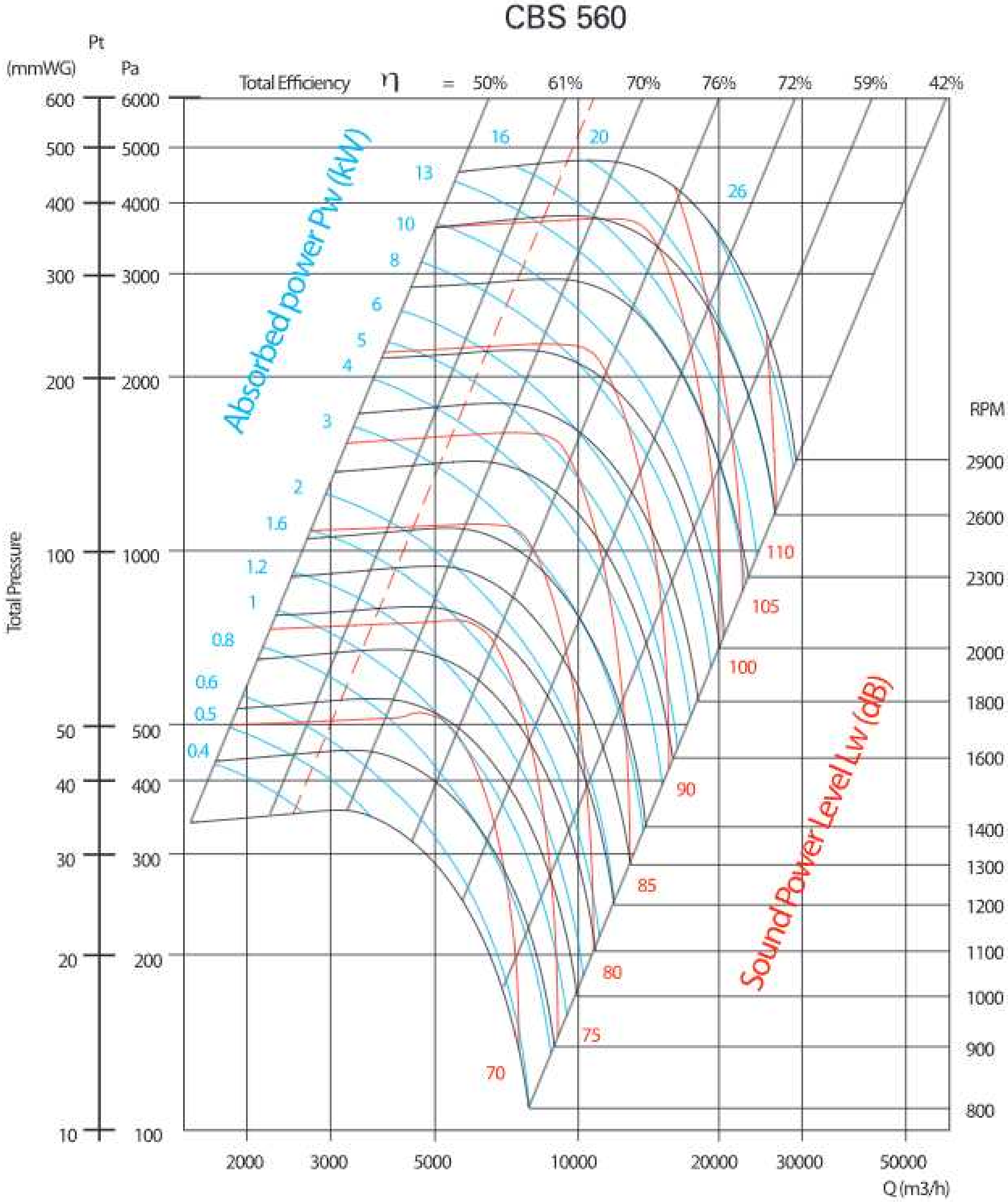


Performance Curve

CBS 500

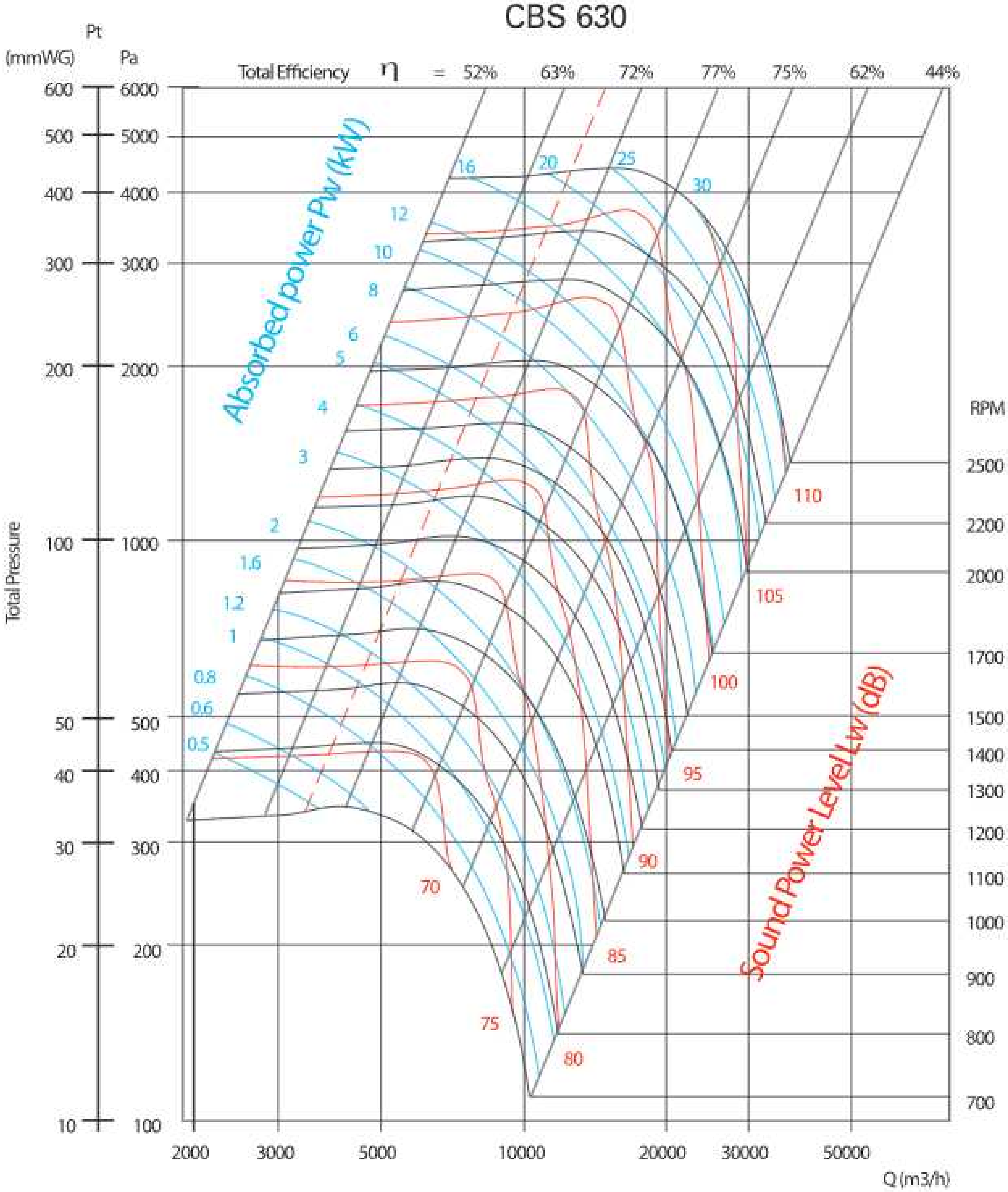


Performance Curve



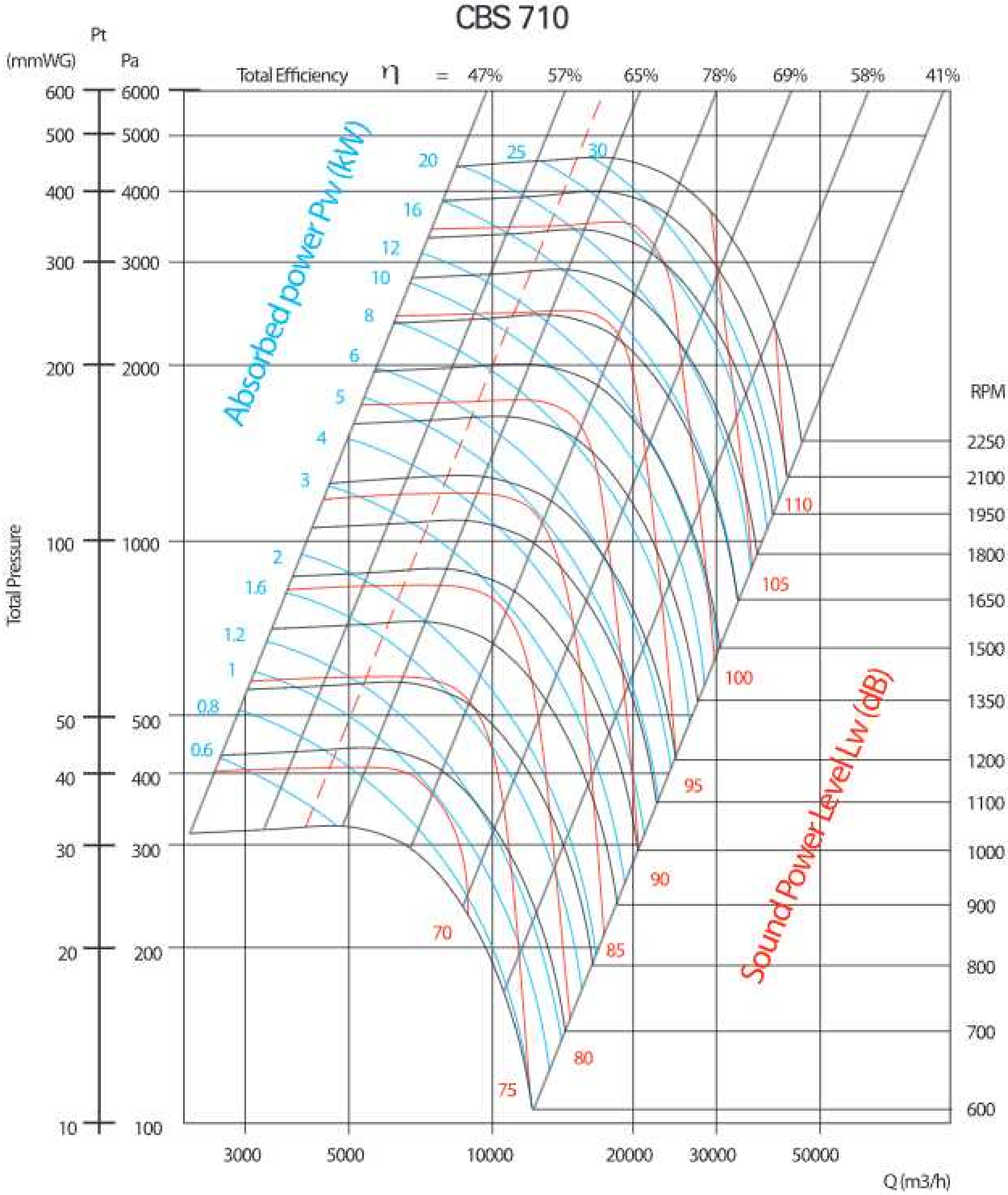
Performance Curve

CBS 630



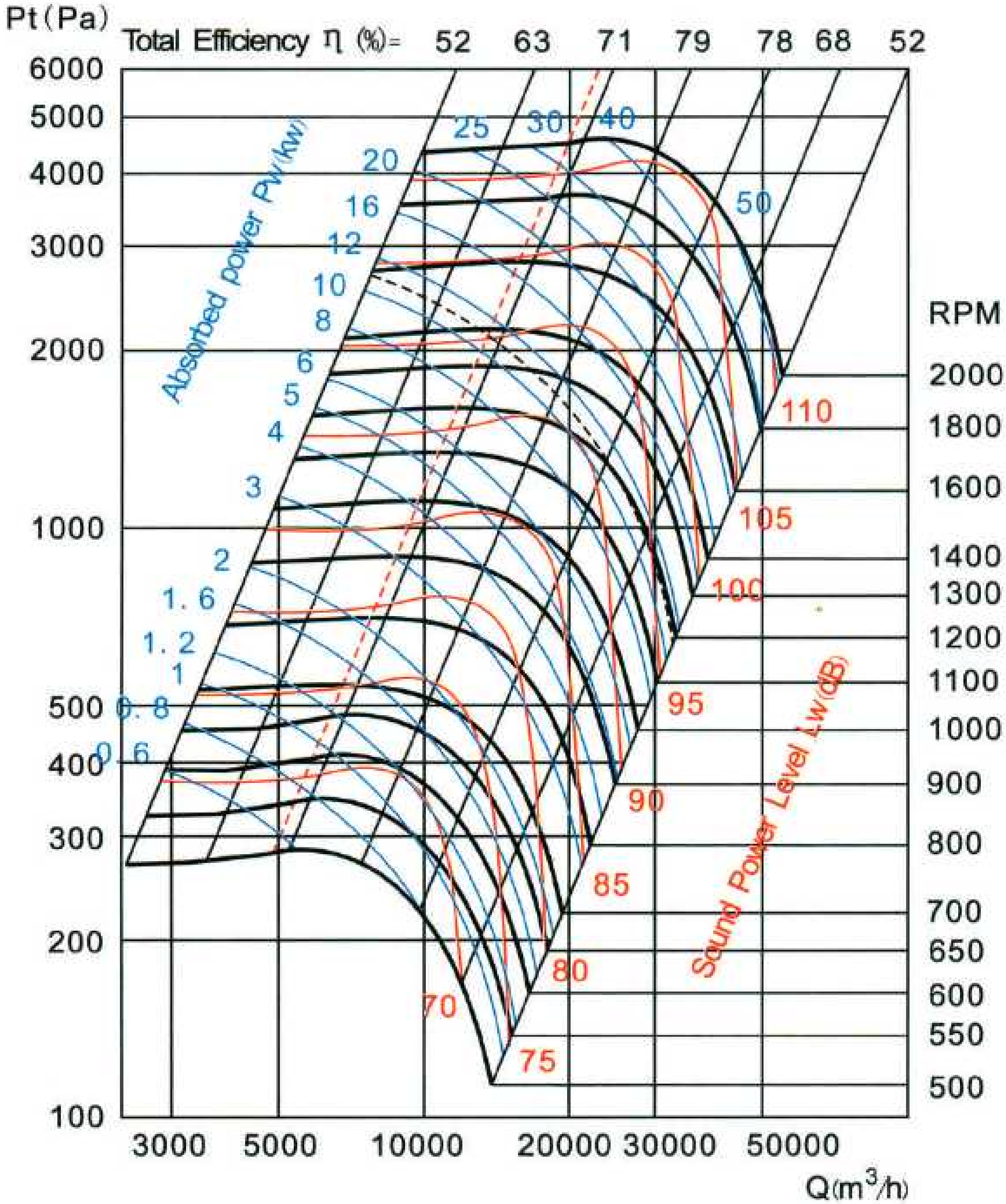
Performance Curve

CBS 710



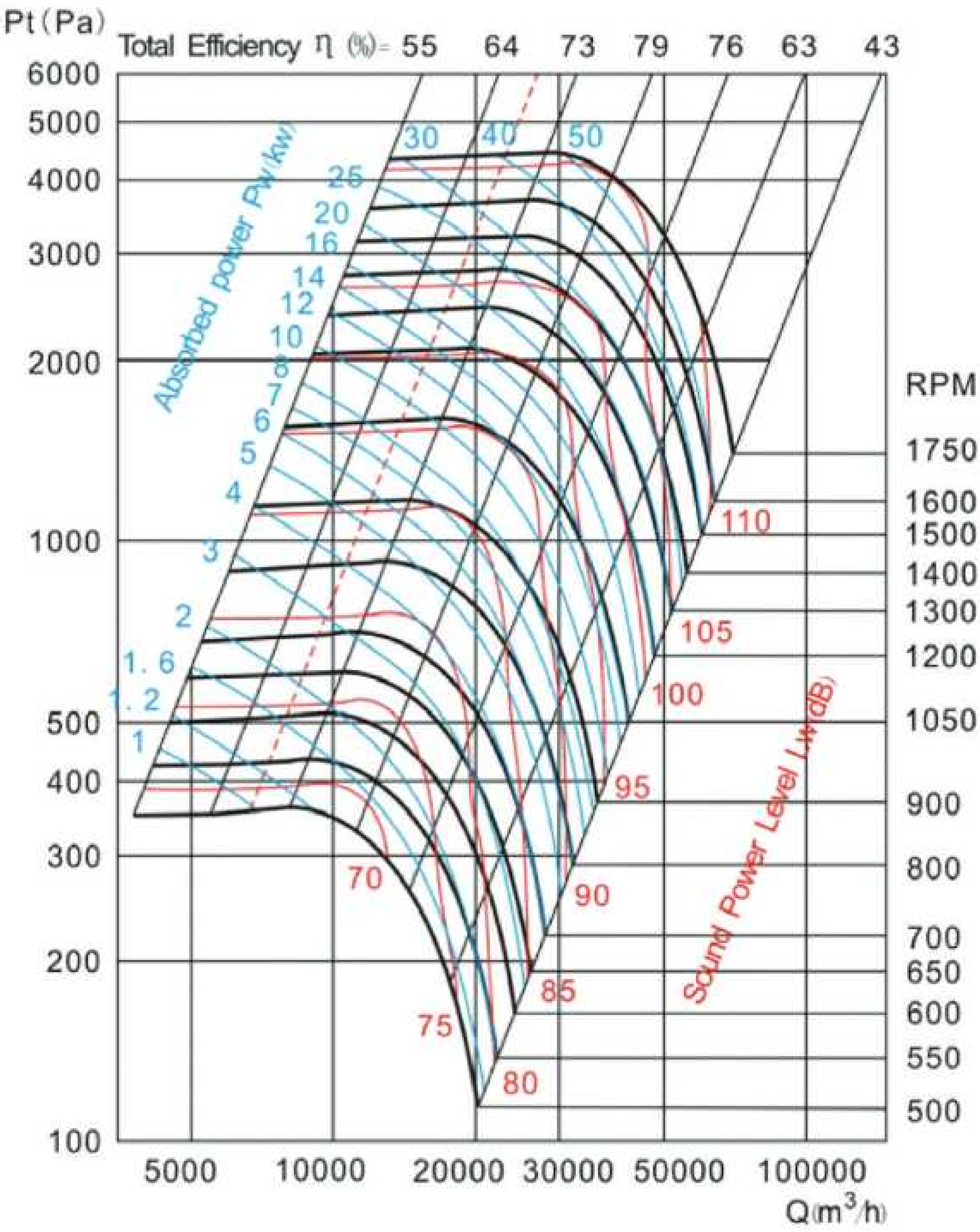
Performance Curve

CBS 800



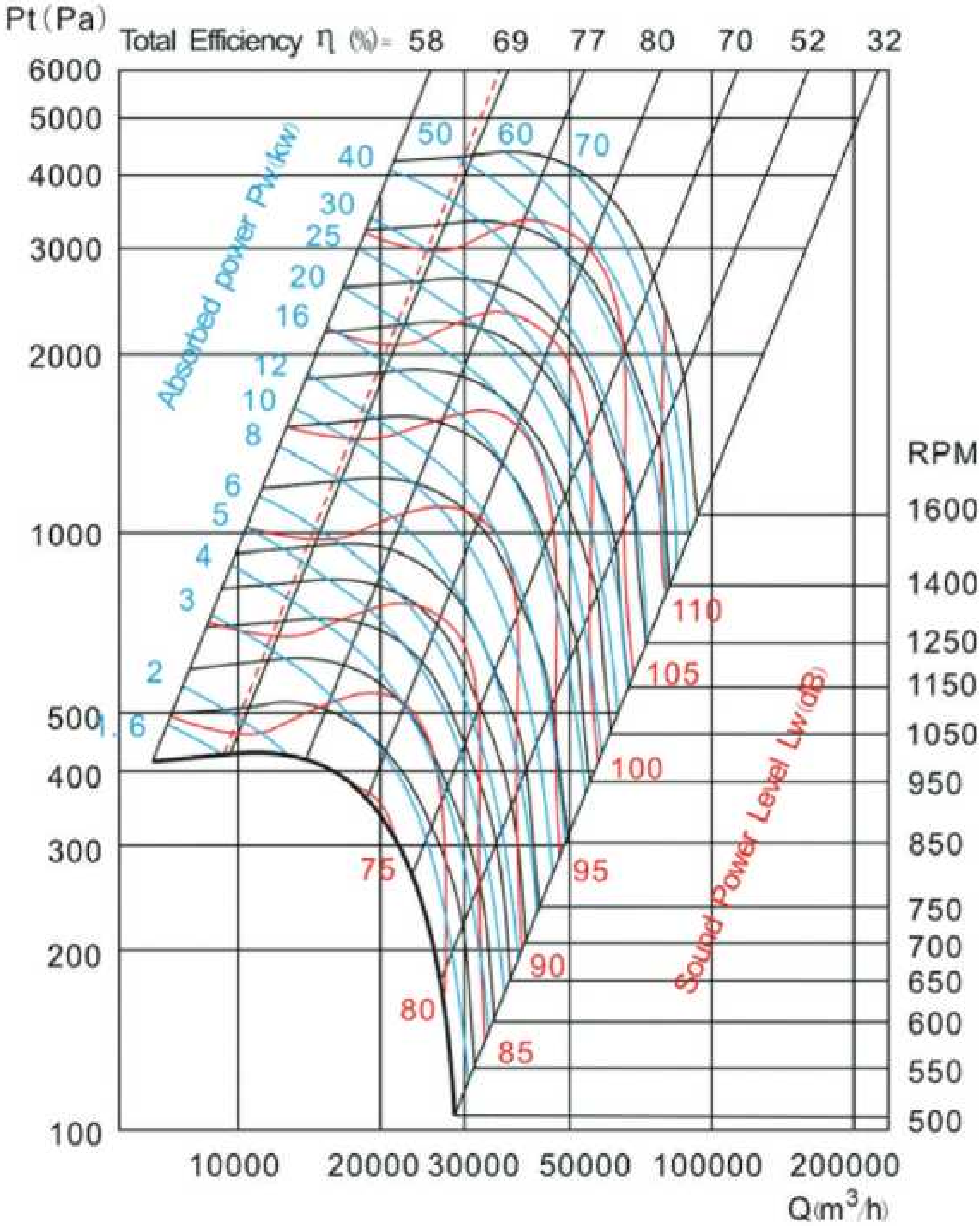
Performance Curve

CBS 900



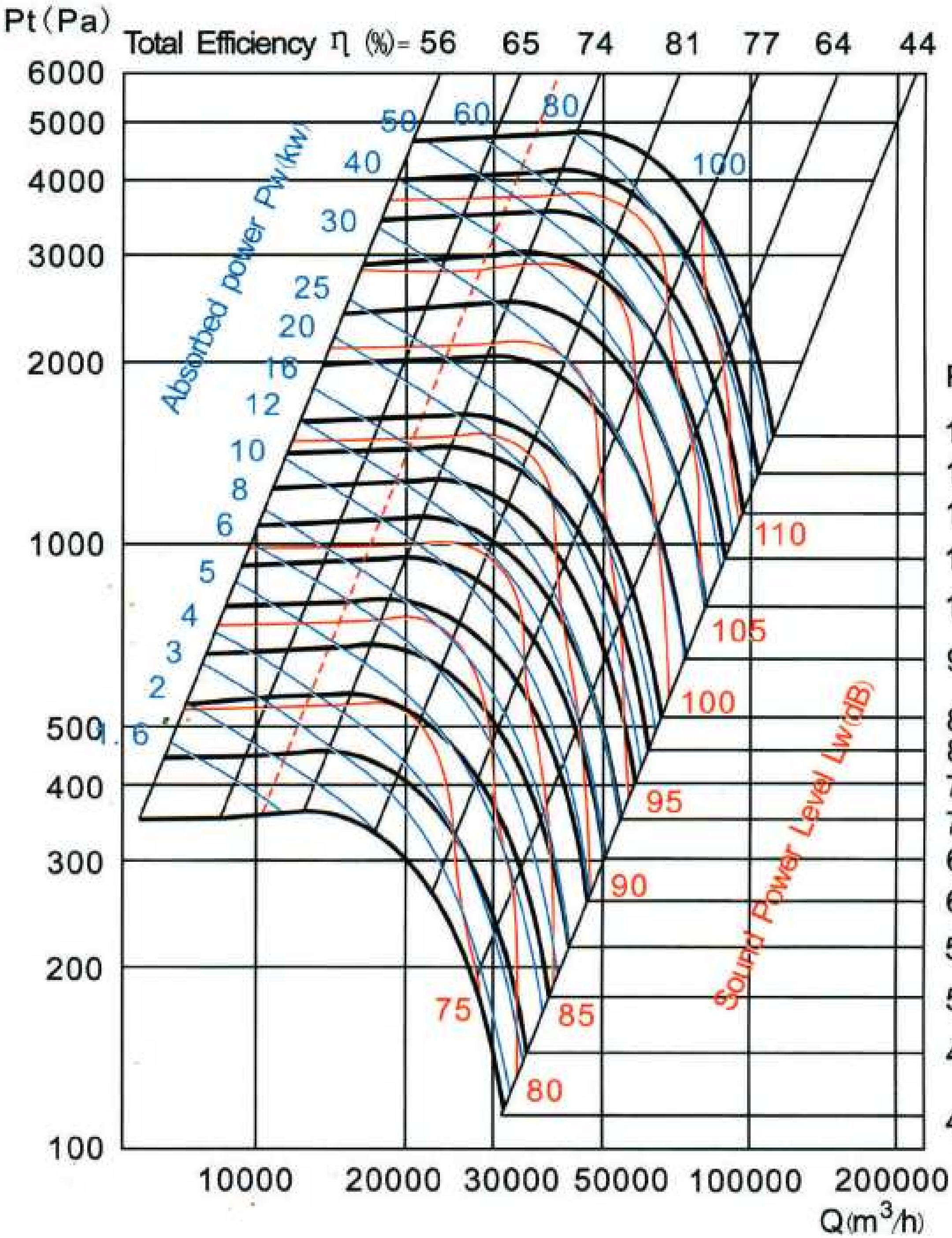
Performance Curve

CBS 1000

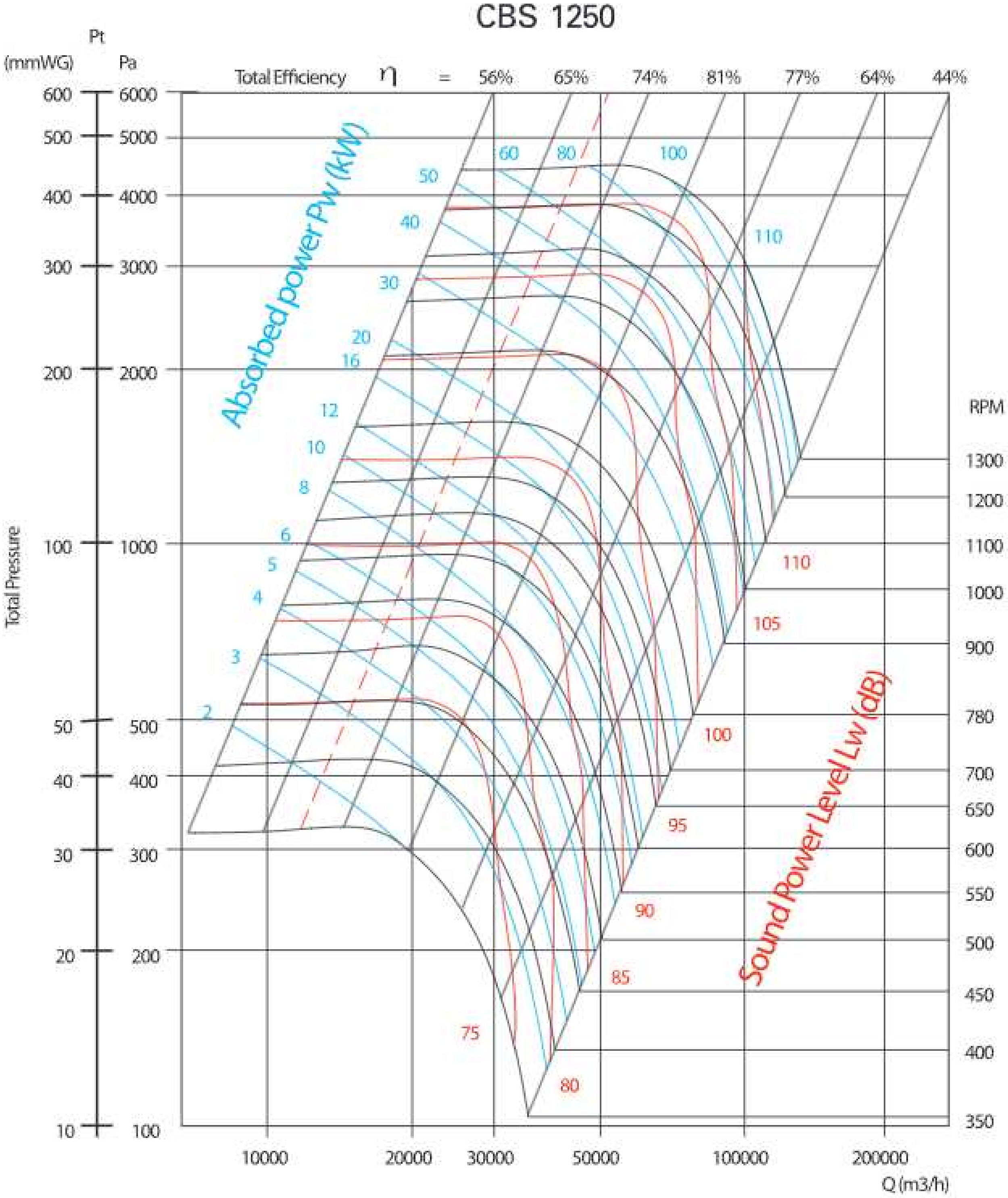


Performance Curve

CBS 1120

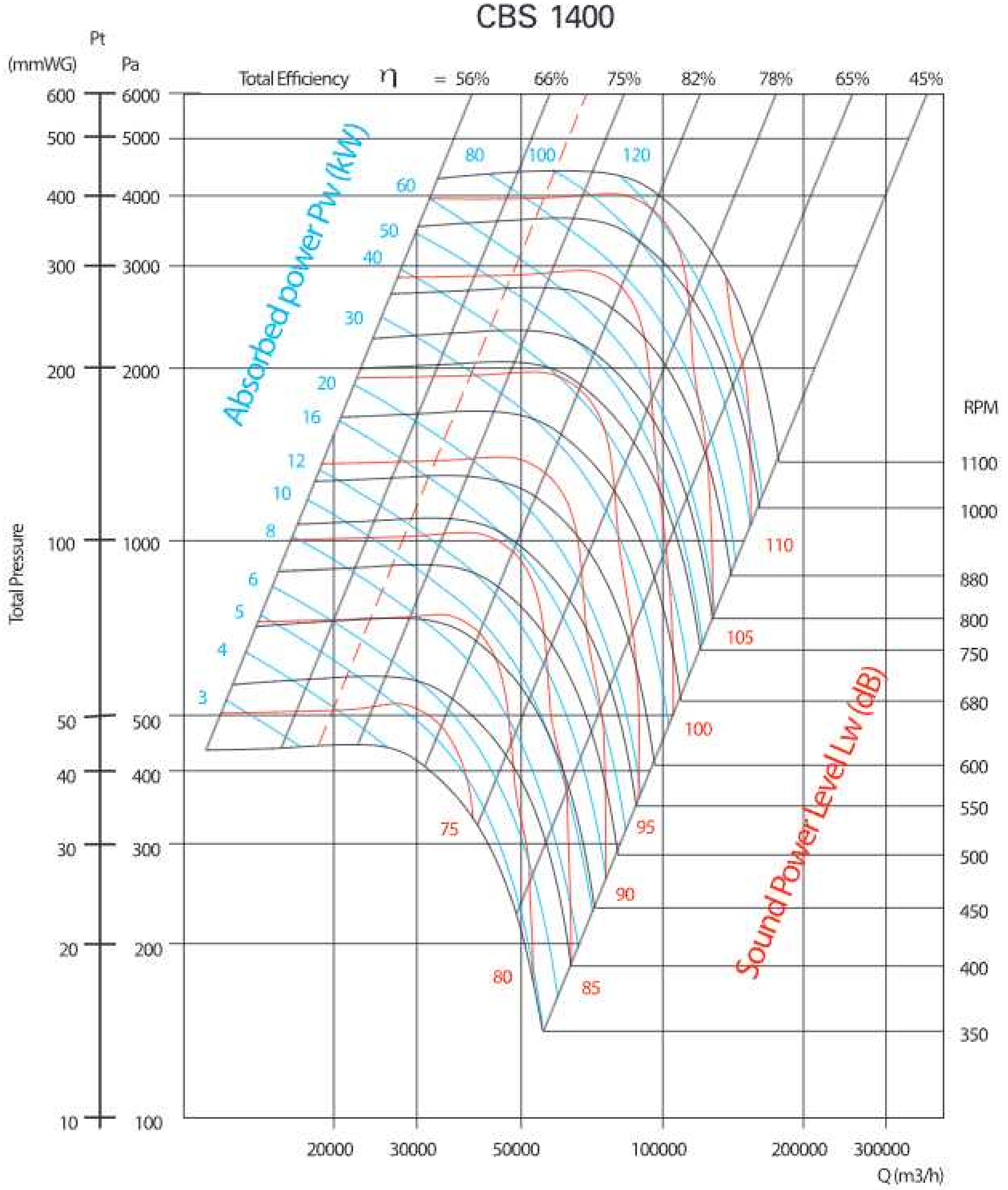


Performance Curve



Any Changes Of Specification Without Further Notice

Performance Curve



Specification Calculation

These calculation below can be used both for CBD type and CBS type of centrifugal backward fan

Outlet (H x L) = (A)

Outlet Measurement (A) = m2

Air Volume (Q) = m3/h

Dynamic **Pressure { Pd)** = **0.6 x** $\left(\frac{Q}{3600 \times A} \right)$**2** = (**Pa**)

Static Pressure = Pt - Pd = (Pa)

Centrifugal Double Inlet Fan

CKD

CKD fans are manufactured with forward curved centrifugal impellers, tab locked on both sides to two steel rings and to a double disk at the centre.

The blade has been designed to minimize the loss caused by the air turbulence and to achieve the minimum sound evel with the maximum efficiency. All the wheels are dynamically baanced.

The casing is constructed from galvanized sheet steel electrowelded. A cut-off to prevent turbulence is mounted in the air outet.

The side plates are designed to give an aerodynamic profile and are provided with drill holes for fixing the mounting feet and motor support. Four handing position of the fan and support can be selected.

Ball bearing are mounted in a rubber anti-vibration sleeve, into two bearing support brackets except on the reinforced versions which are fitted with cast ball bearing housings.

All these low pressure centrifugal fans are designed for belt drive operations.

Motor rating safety margin	:	up to 10 kw = 20%
		over 10 kw = 15%

Centrifugal Double Inlet Fan

Technical Characteristic

Type	Max Absorbed Pw kW	Max FanSpd RPM	Max Total Press Pa	Weight Kg
CKD 200	4	3200	1680	17
CKD 225	5	2800	1680	19.8
CKD 250	5	2400	1670	30
CKD 280	6.3	2200	1670	38
CKD 315	7	1800	1650	42.4
CKD 355	9	1600	1650	60
CKD 400	9	1500	1600	71.5
CKD 450	11	1300	1600	79.5
CKD 500	11	1200	1540	110.6
CKD 560	13.5	1080	1540	145
CKD 630	13.5	900	1510	180
CKD 710	22	700	1420	254
CKD 800	25	700	1500	308
CKD 900	32	600	1480	373
CKD 1000	40	550	1530	431
CKD 1120	40	400	1200	845
CKD 1250	60	350	1050	1167
CKD 1400	70	300	1050	1550

Dynamic Pressure

The dynamic pressure shown in the diagram refers to the total surface of the discharge outet.

When the fan is used at free discharge, an additional charge loss equivaent to 1X the dynamic pressure should be added.

Sound Level

The values of the sound leve given in the diagram are global sound power. To obtain the sound power spectrum, subtract from these value the corrections values given in the chart situated below the diagram.

Motor

* Insulation Class F, IP55.

Example

For the fo lowing working point:

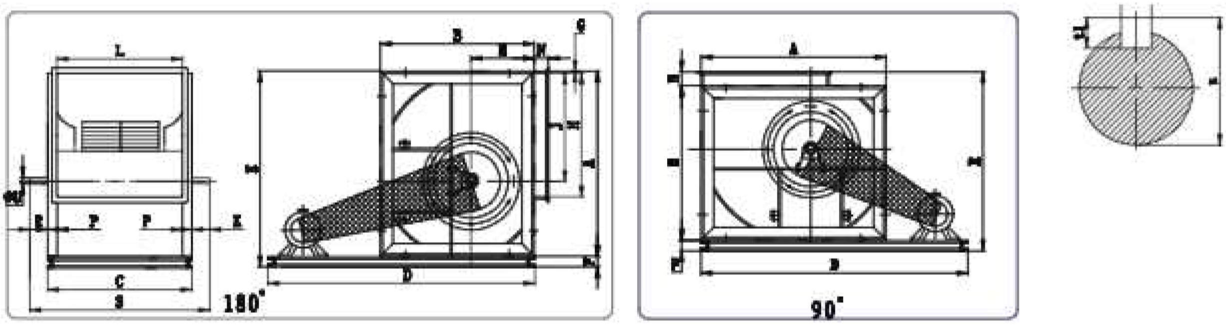
- Air flow rate : Q = 2500 m3/h
- Static **Pressure : st** = 50 (mmWG) or (500 Pa)
- Selected Fan : CKD = 200

The other values read on the diagram are :

Air veocity in the discharge	: V = 11.2 m/s
Absorbed power	: P = 0.62 kW
Number of revolutions	: RPM= 1750
Efficiency	: H = 56%
Sound power evel	: LwA = 82 (dB)

Centrifugal Double Inlet Fan

Dimension of Parts



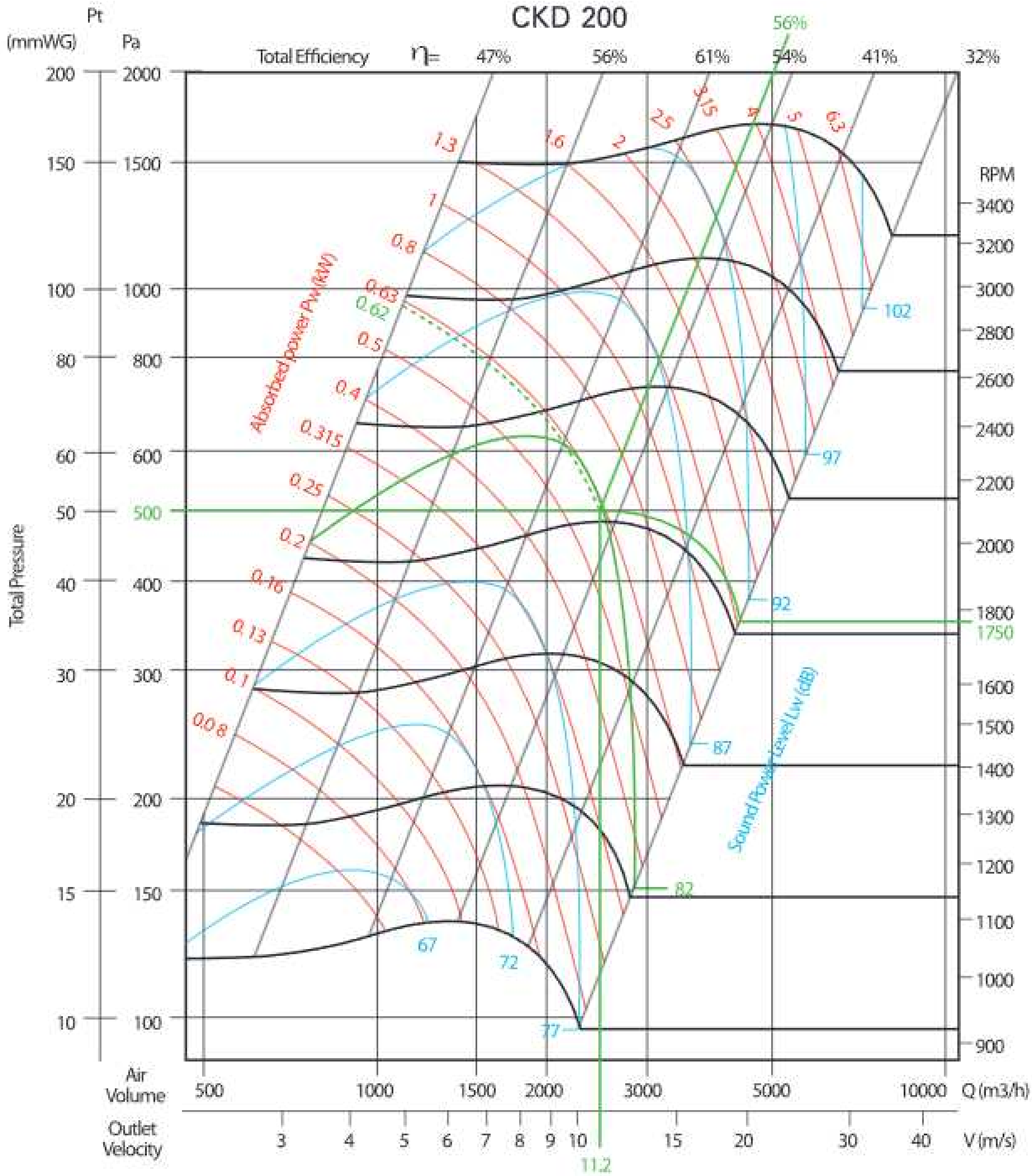
Type	A	B	C	D 90°	D 180°	E 90°	E 180°	F	G	t	t1	z
CKD 200	370	315	315	750	700	395	420	50	5	6	6	22.5
CKD 225	415	355	340	800	740	435	465	50	5	6	6	22.5
CKD 250	460	383	387	900	820	510	468	50	4	8	7	28
CKD 280	518	432	425	950	850	568	516	50	5	8	7	33
CKD 315	578	480	469	1000	900	628	568	50	3	8	7	33
CKD 355	654	548	537	1050	950	704	628	50	6	10	8	38
CKD 400	736	612	591	1130	1000	786	700	50	5	10	8	38
CKD 450	827	681	653	1350	1200	892	791	65	5	12	8	43
CKD 500	918	750	723	1500	1300	983	865	65	5	12	8	43
CKD 560	1030	844	799	1600	1400	1095	957	65	7	14	9	48.3
CKD 630	1157	945	905	1750	1500	1222	1063	65	6	14	9	53.5
CKD 710	1302	1057	1003	1900	1600	1382	1200	80	7	14	9	53.5
CKD 800	1468	1180	1131	2000	1700	1548	1334	80	7	16	10	59
CKD 900	1648	1319	1255	2300	1950	1748	1508	100	7	18	11	64
CKD 1000	1810	1450	1411	2500	2100	1910	1640	100	9	18	11	64
CKD 1120	2033	1630	1485	2750	2300	2153	1845	120	9	20	12	79.5
CKD 1250	2285	1831	1655	3000	2500	2405	2050	120	9	22	14	85
CKD 1400	2568	2057	1855	3500	3000	2708	2310	140	13	22	14	85

Type	H	J	K	L	M	N	P	R	S	ØU
CKD 200	250	219	60	250	134	30	30	60	435	20
CKD 225	280	246	75	275	152	30	30	75	490	20
CKD 250	315	270	78	322	159	35	30	78	538	25
CKD 280	355	302	84	360	180	34	30	84	588	30
CKD 315	400	340	84	404	198	38	30	84	632	30
CKD 355	450	383	96	452	230	30	40	96	724	35
CKD 400	500	432	96	506	252	38	40	96	778	35
CKD 450	560	486	118	568	277	45	40	118	884	40
CKD 500	630	538	118	638	302	50	40	118	954	40
CKD 560	710	603	148	714	342	48	40	148	1090	45
CKD 630	800	679	138	800	381	53	50	138	1176	50
CKD 710	900	765	138	898	421	63	50	138	1274	50
CKD 800	1000	862	128	1006	466	74	60	128	1382	55
CKD 900	1120	971	158	1130	515	89	60	158	1566	60
CKD 1000	1250	1066	159	1266	566	90	70	159	1724	60
CKD 1120	1400	1200	49	1340	653	95	70	183	1712	75
CKD 1250	1560	1353	81	1500	731	99	75	220	1951	80
CKD 1400	1750	1515	89	1730	850	113	75	227	2196	80

Dimension : mm

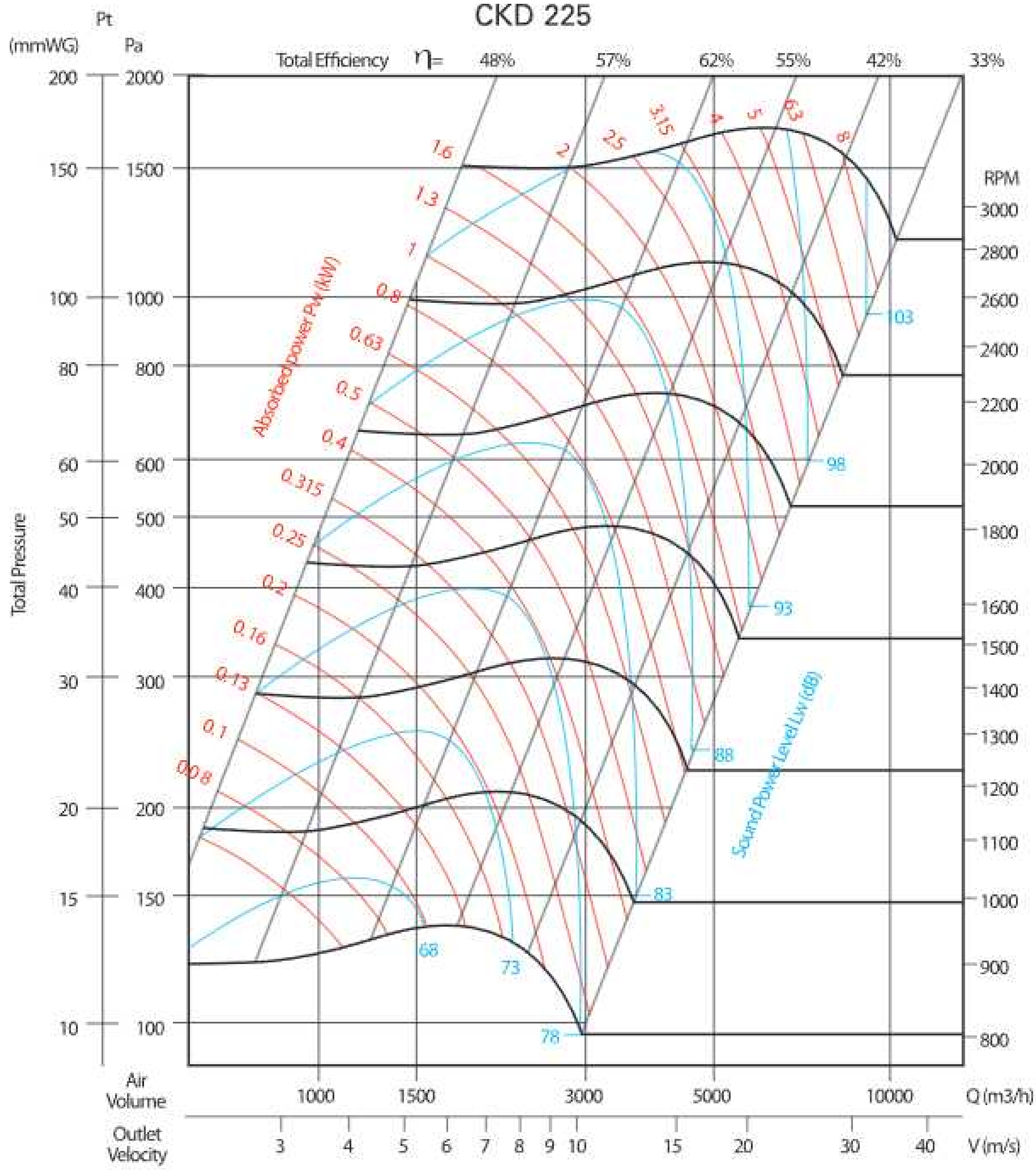
Centrifugal Double Inlet Fan

Performance Curve



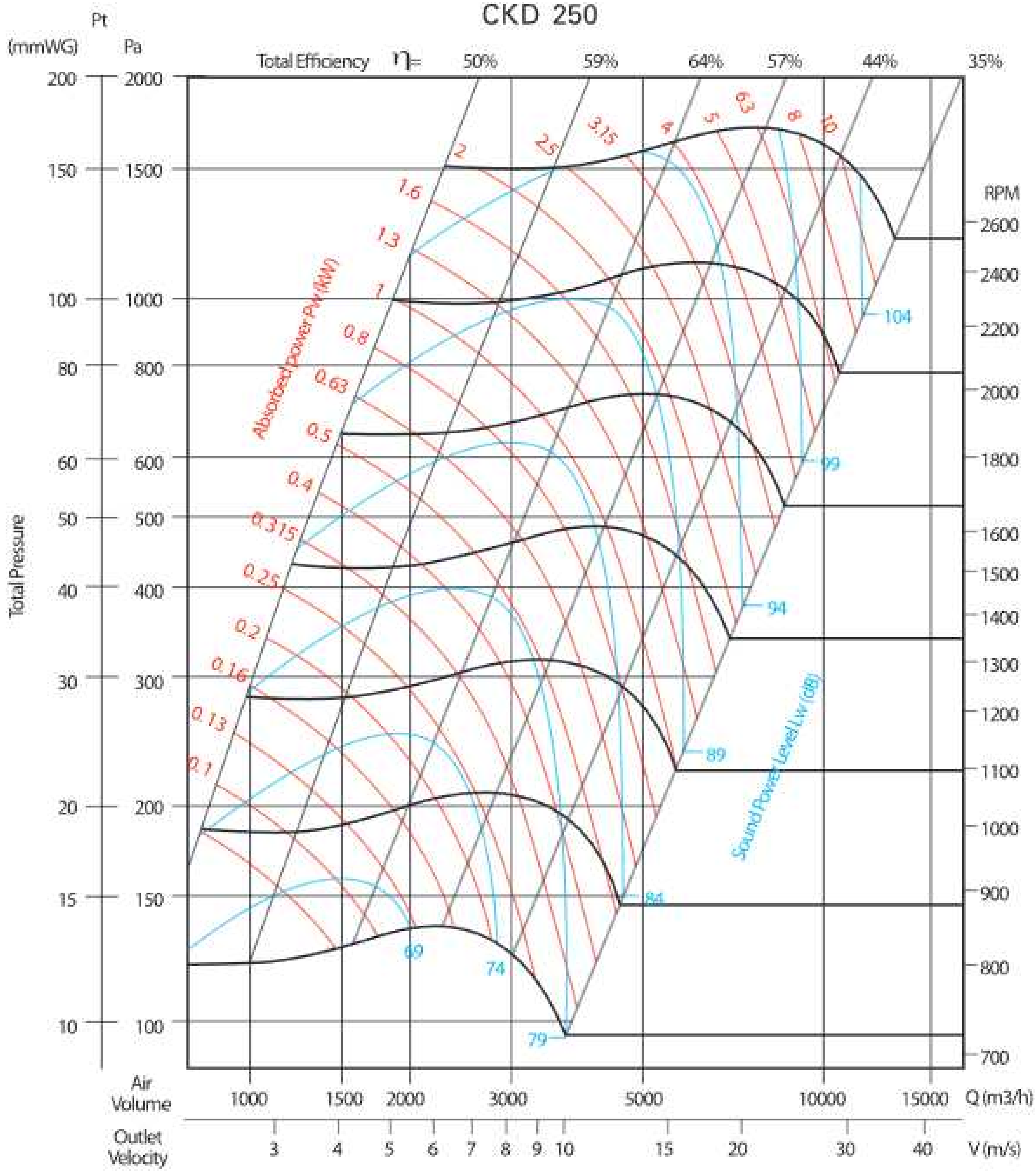
Centrifugal Double Inlet Fan

Performance Curve



Centrifugal Double Inlet Fan

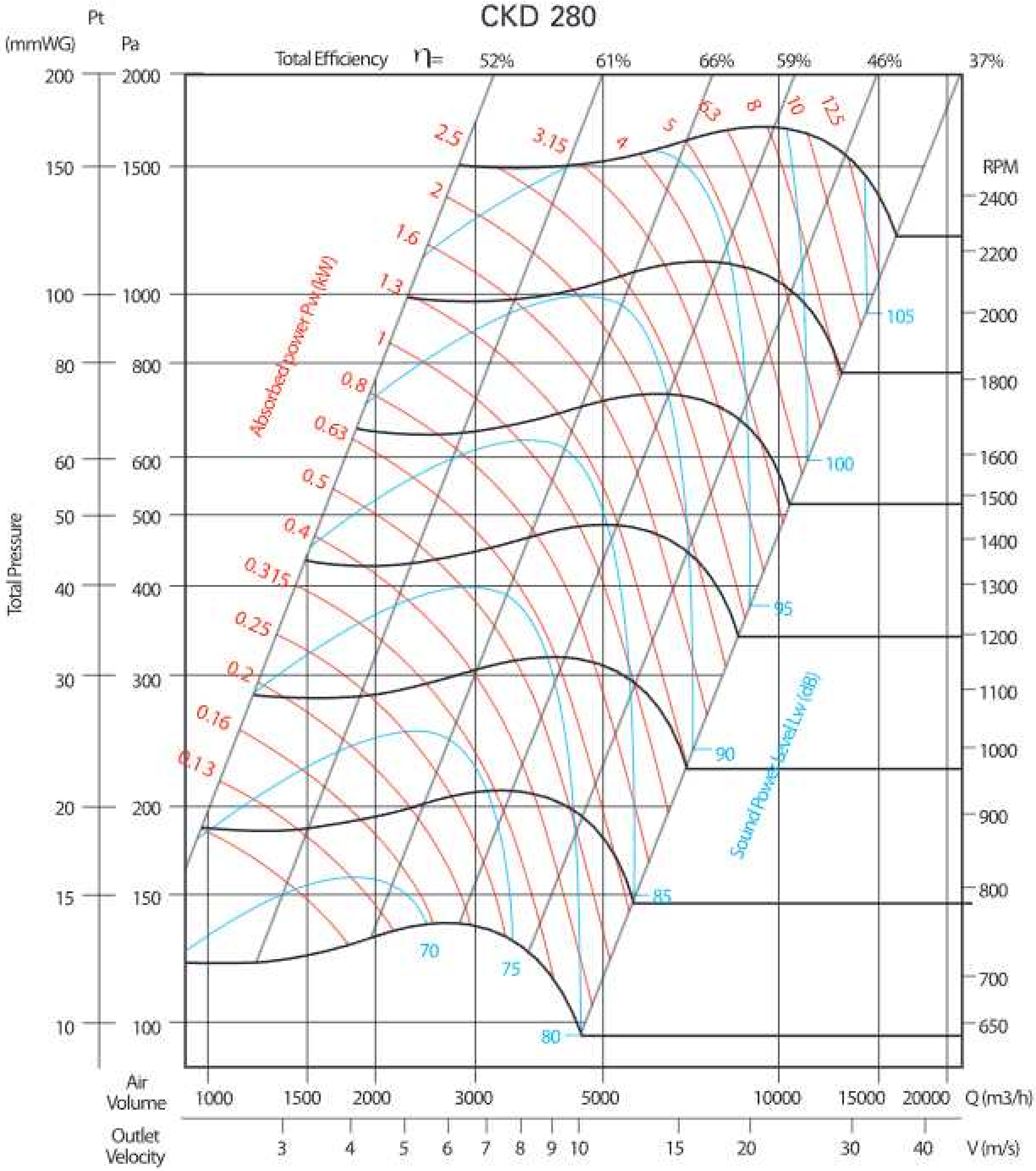
Performance Curve



Any Changes Of Specification Without Further Notice

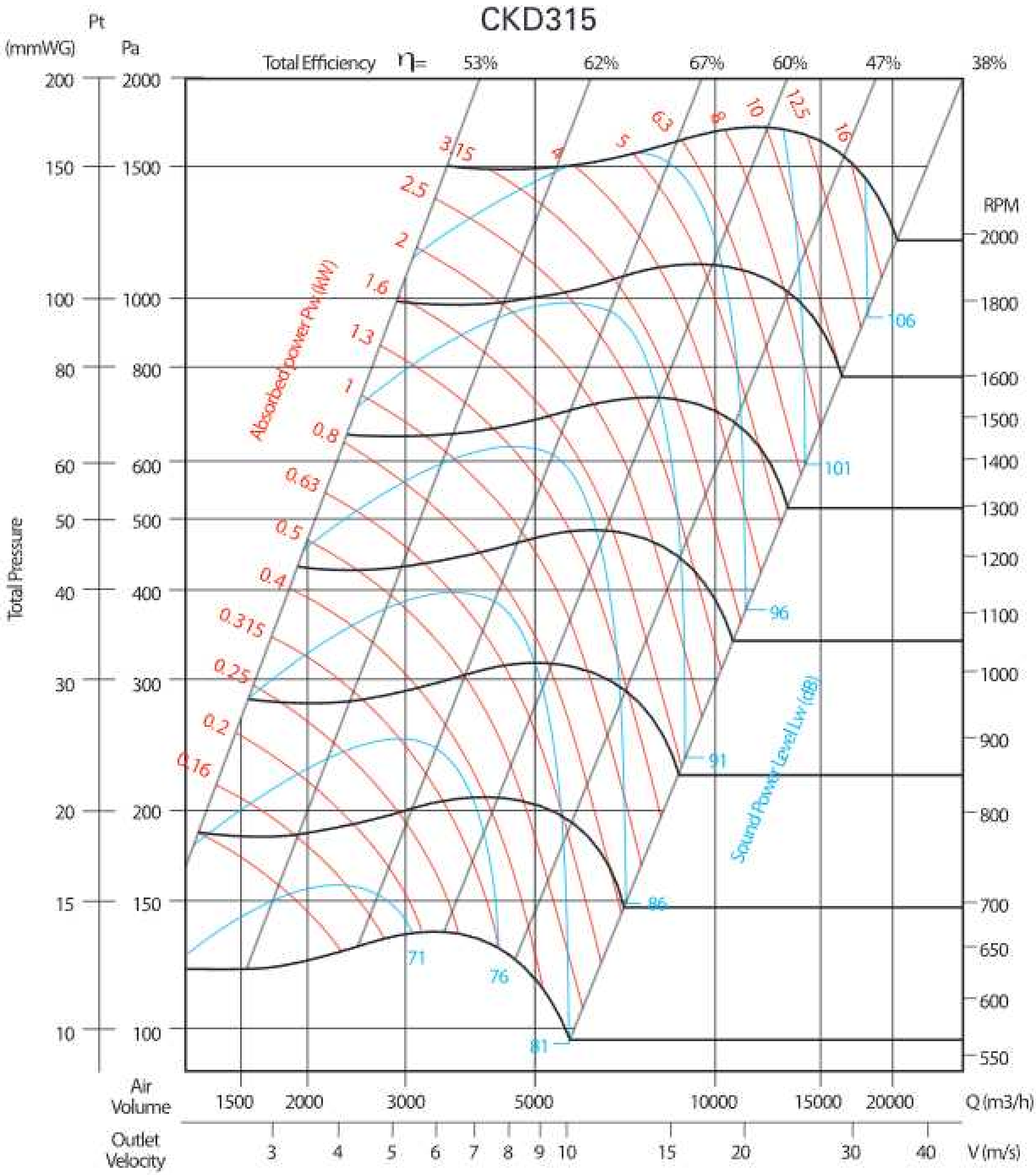
Centrifugal Double Inlet Fan

Performance Curve



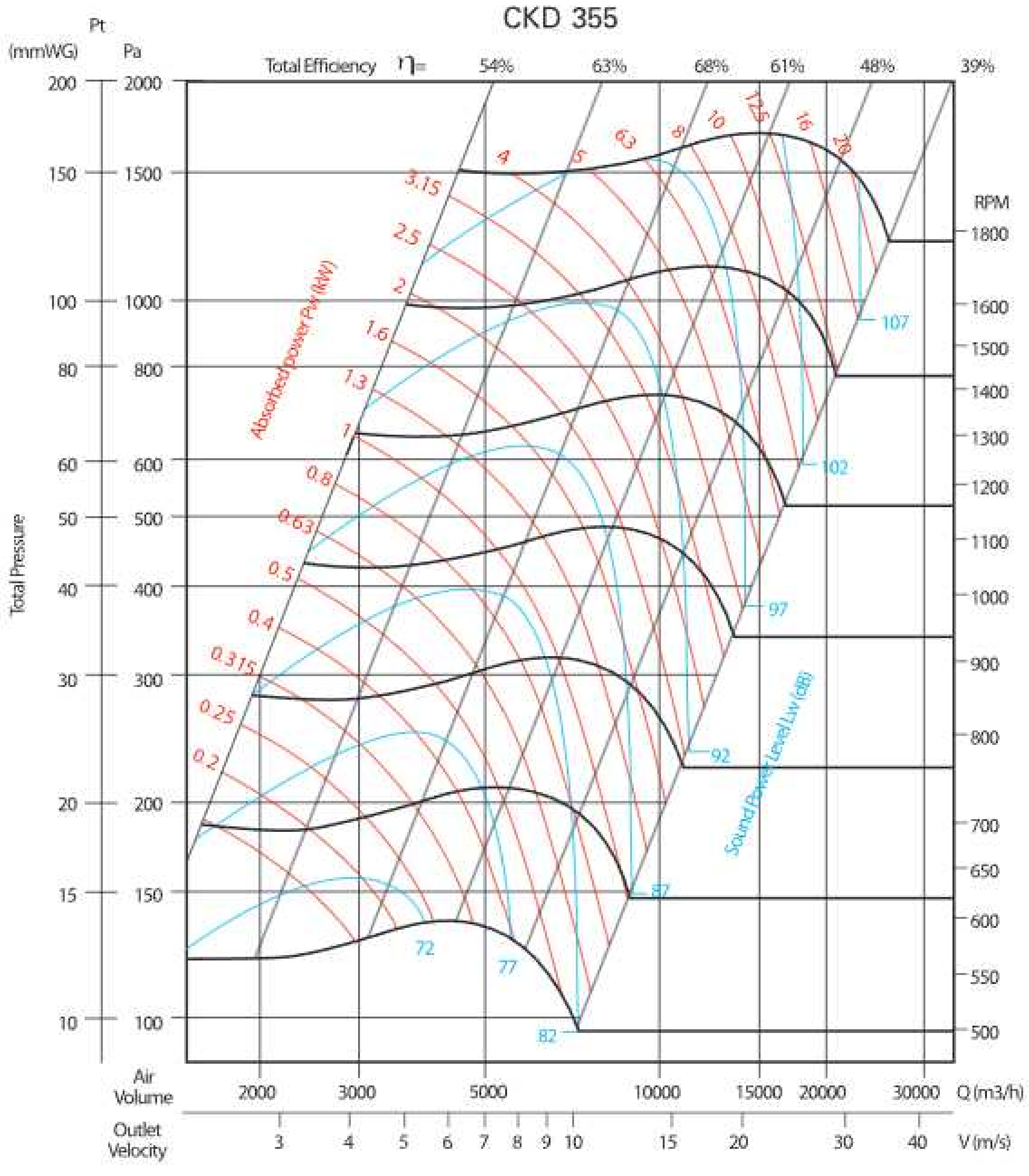
Centrifugal Double Inlet Fan

Performance Curve



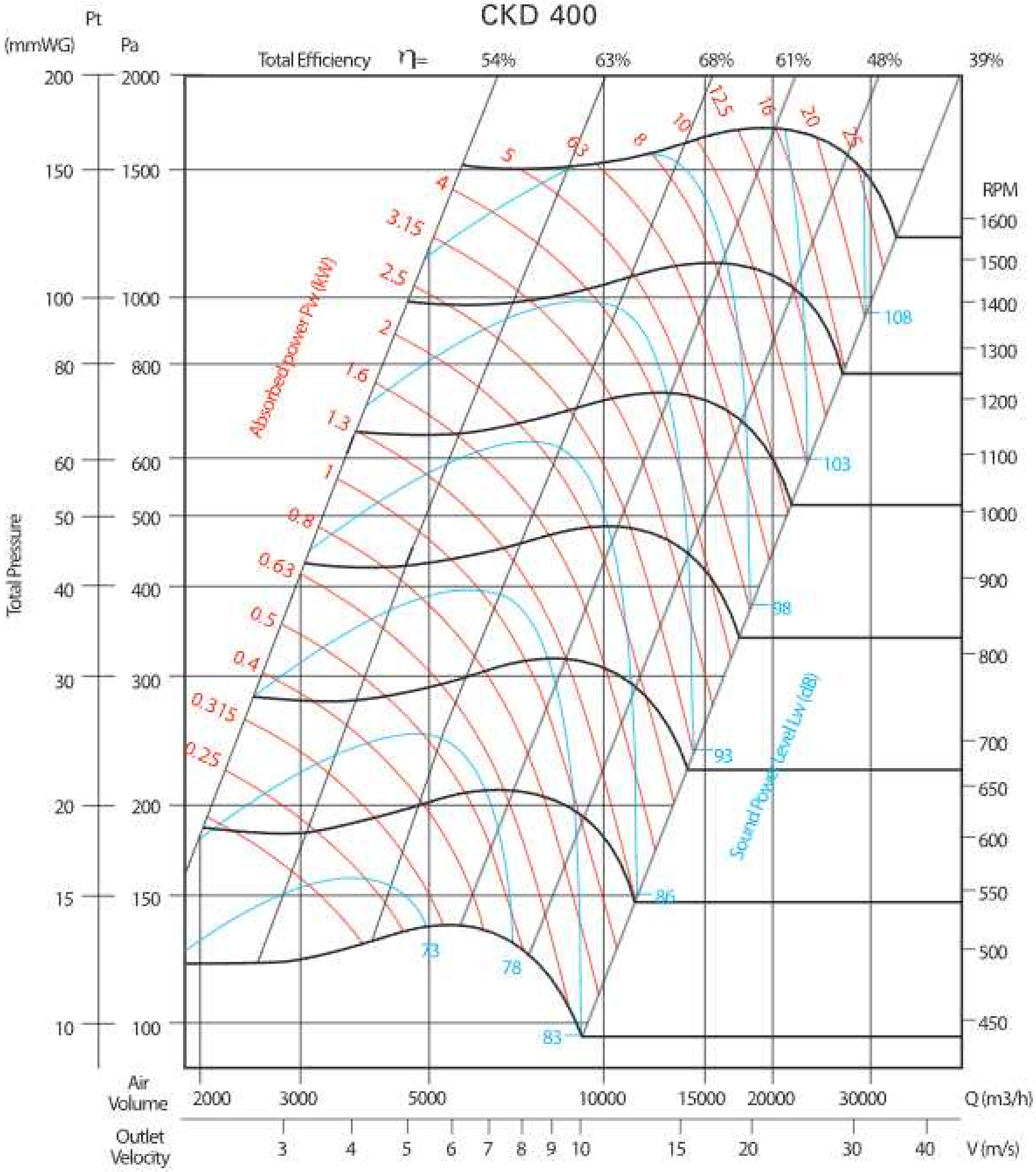
Centrifugal Double Inlet Fan

Performance Curve



Centrifugal Double Inlet Fan

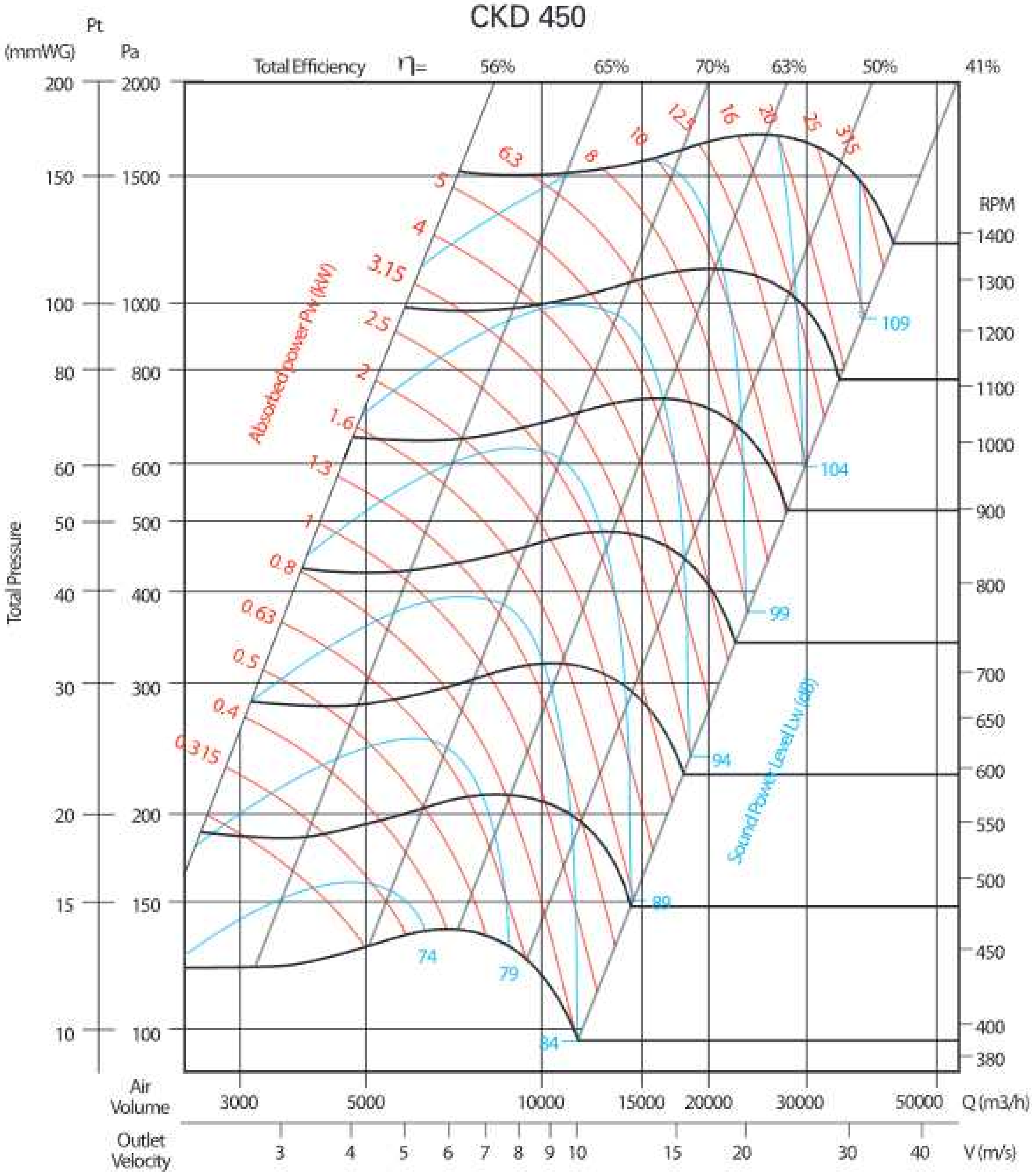
Performance Curve



Centrifugal Double Inlet Fan

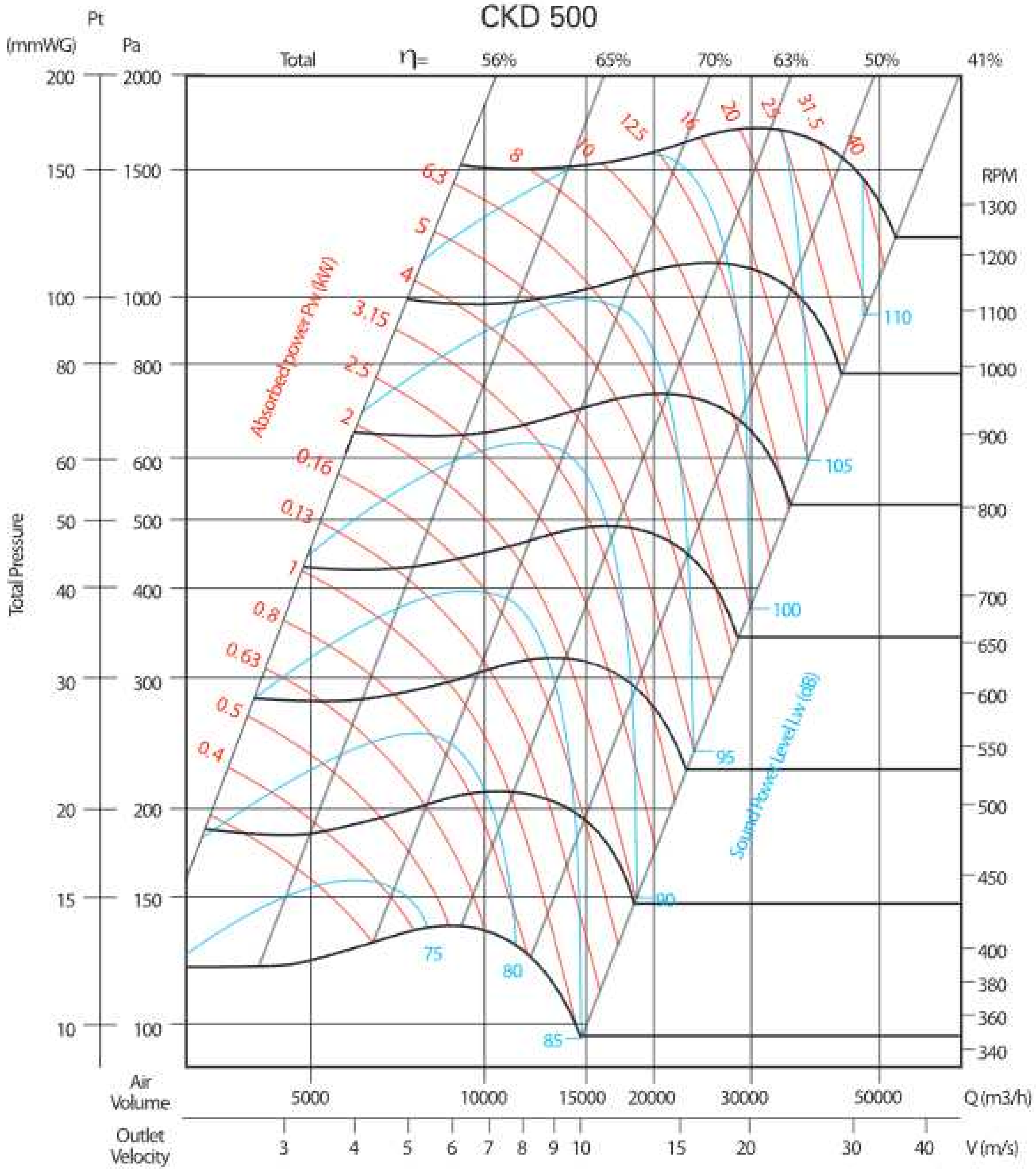
Performance Curve

CKD 450



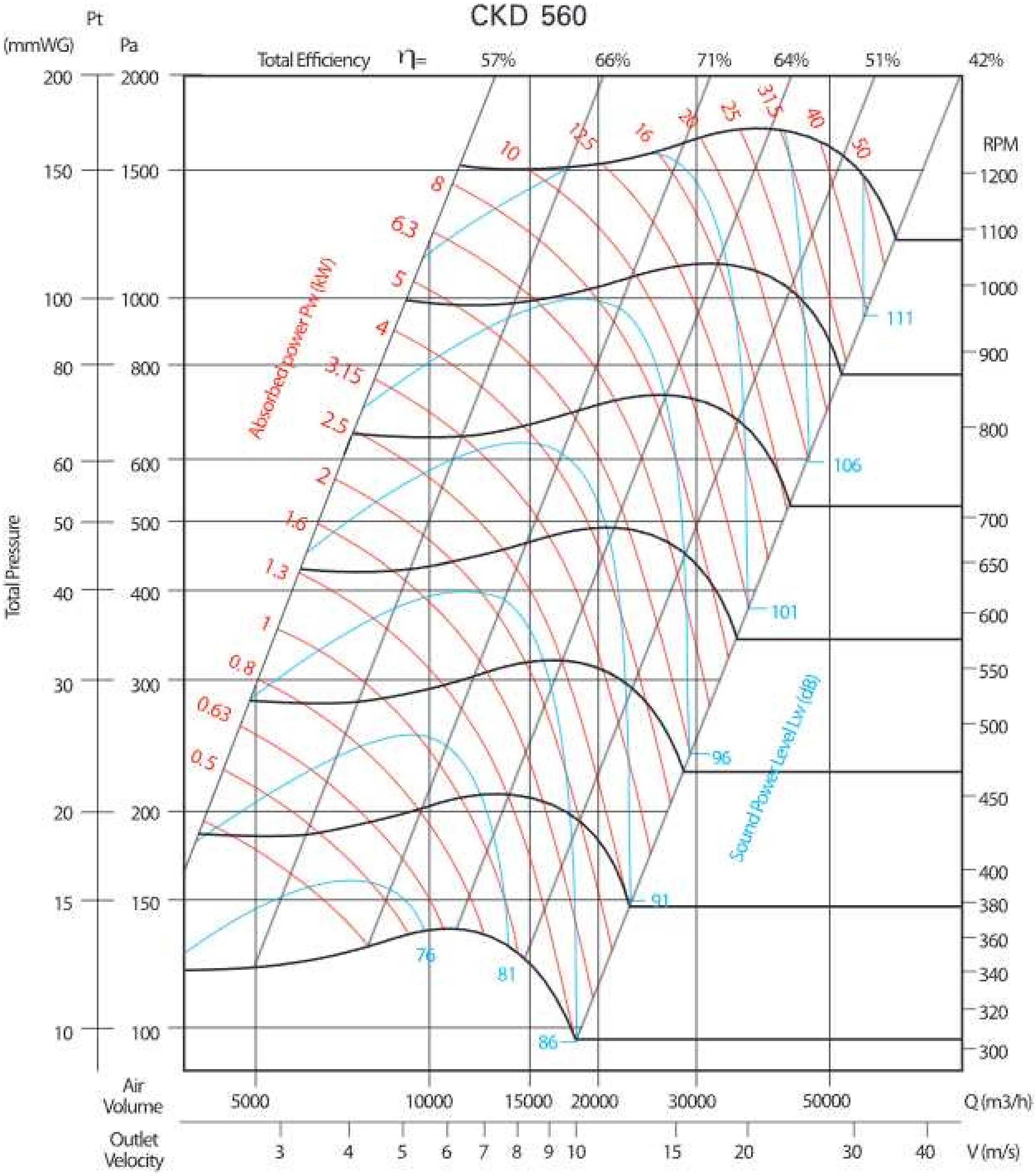
Centrifugal Double Inlet Fan

Performance Curve



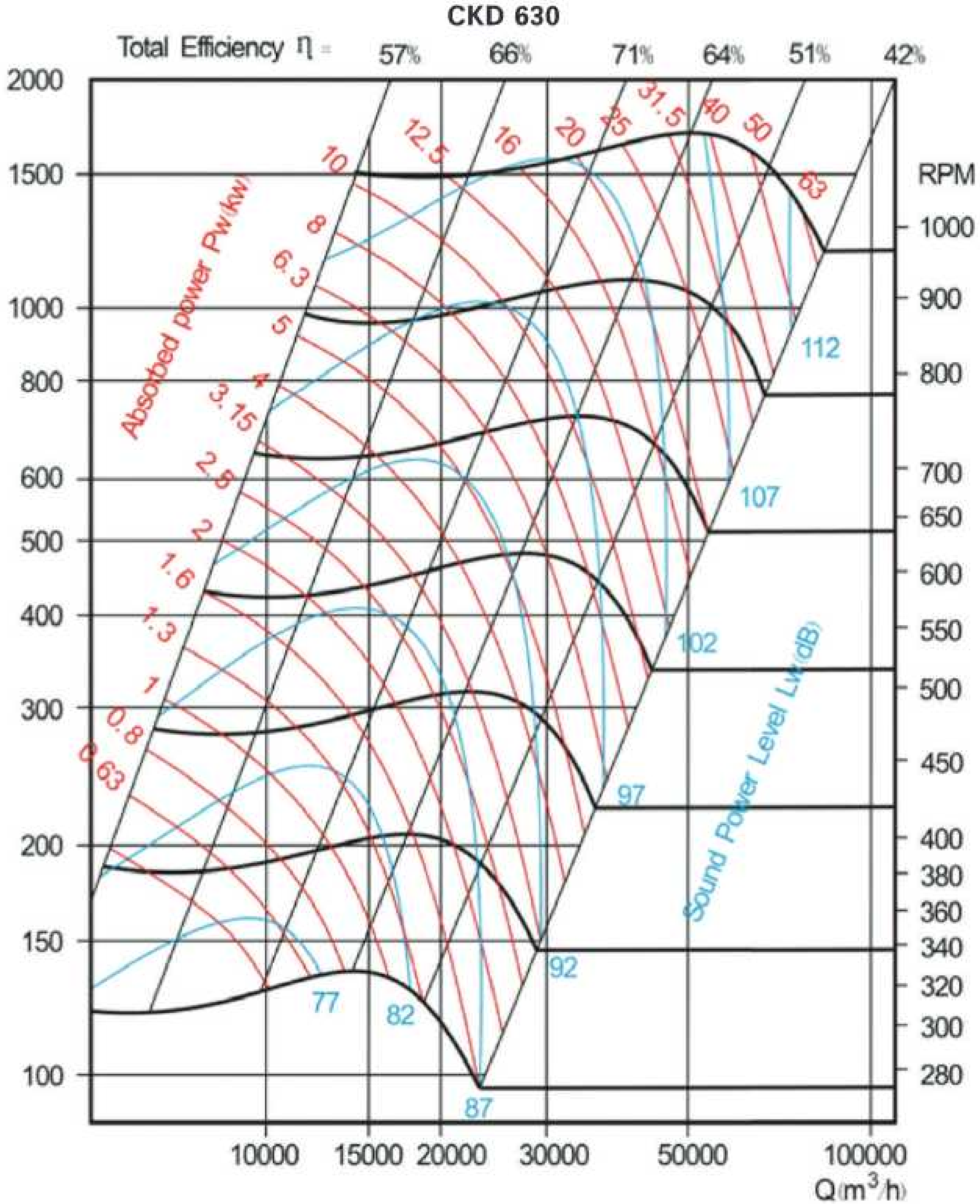
Centrifugal Double Inlet Fan

Performance Curve



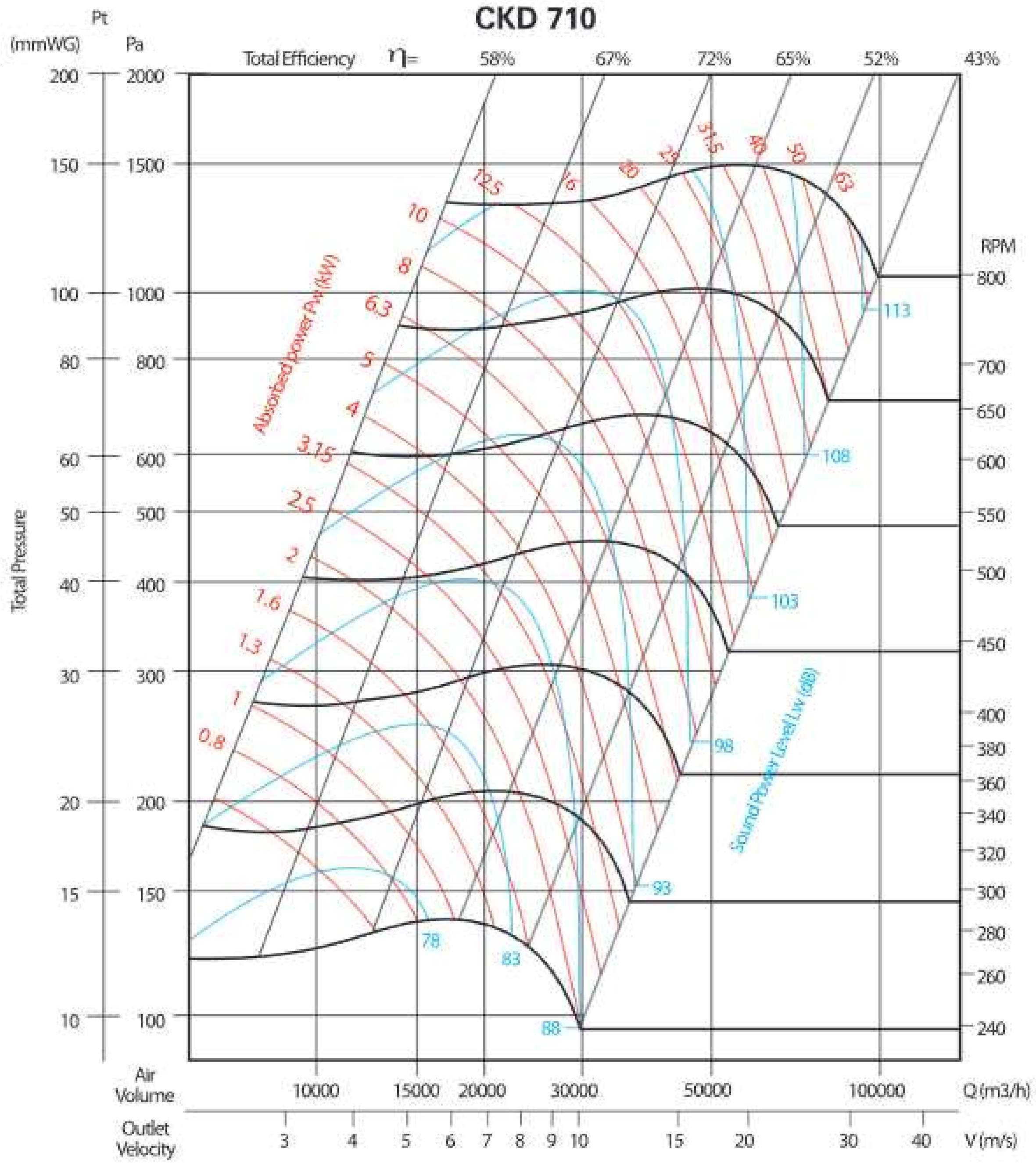
Centrifugal Double Inlet Fan

Performance Curve



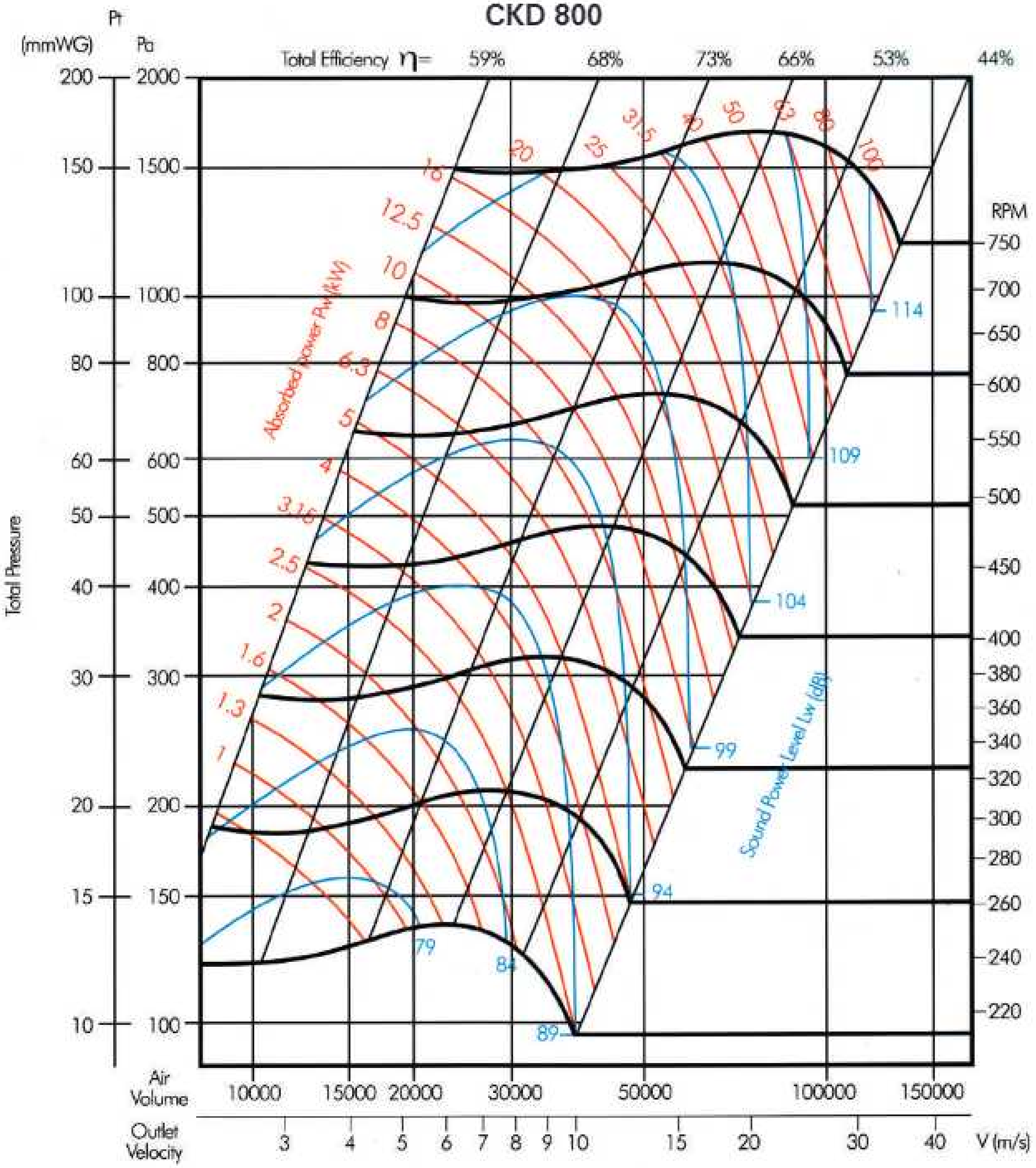
Centrifugal Double Inlet Fan

Performance Curve



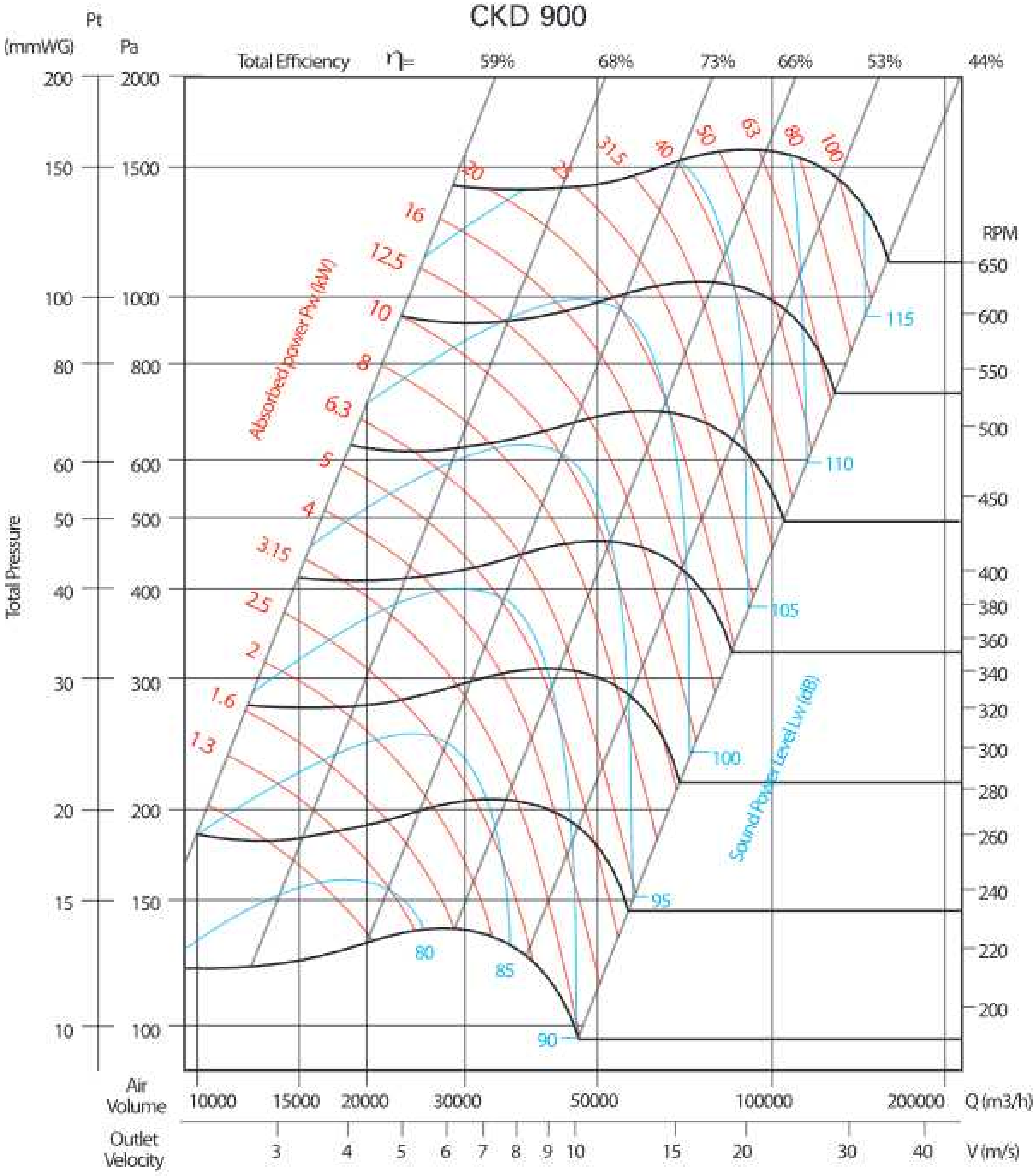
Centrifugal Double Inlet Fan

Performance Curve



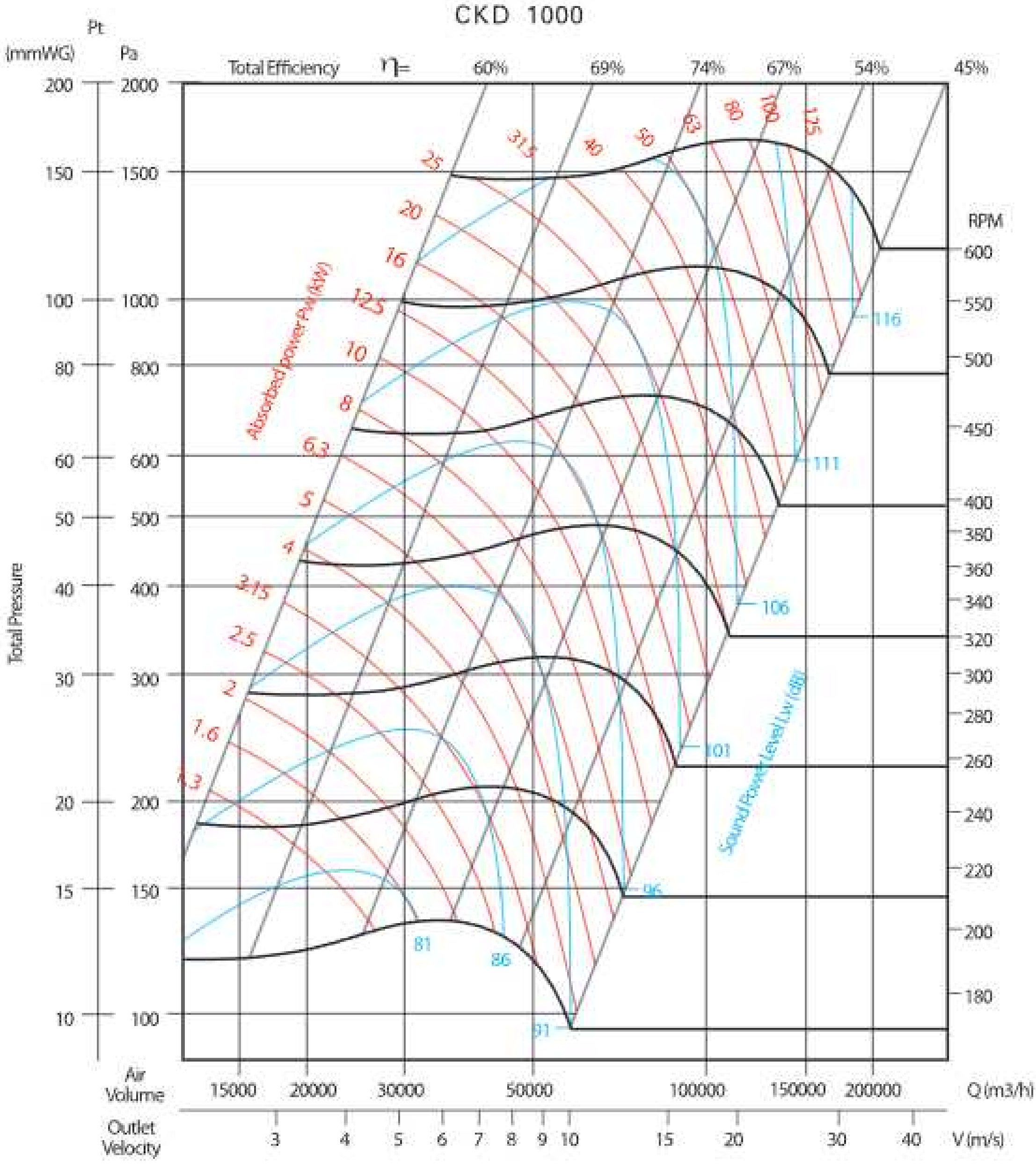
Centrifugal Double Inlet Fan

Performance Curve



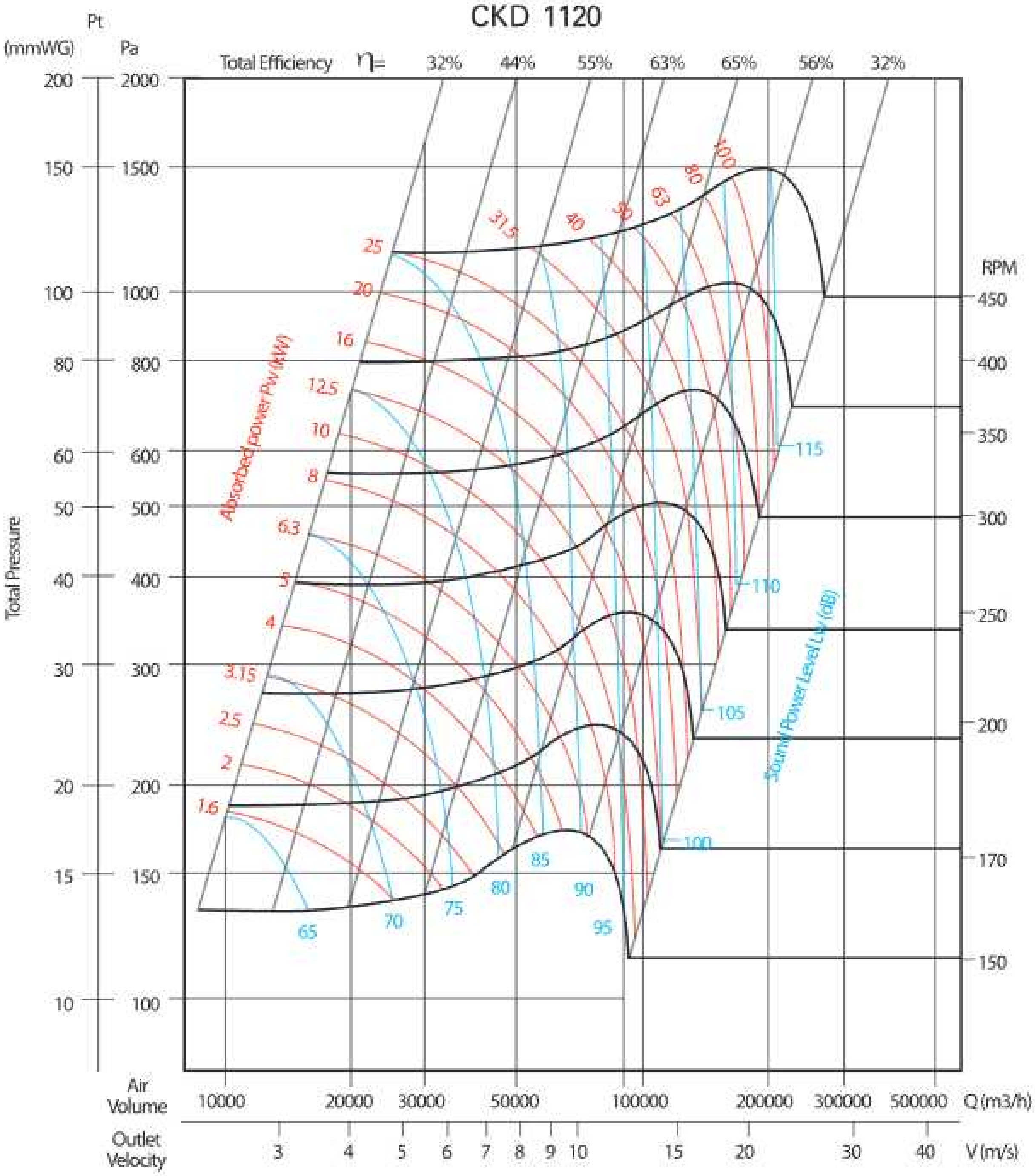
Centrifugal Double Inlet Fan

Performance Curve



Centrifugal Double Inlet Fan

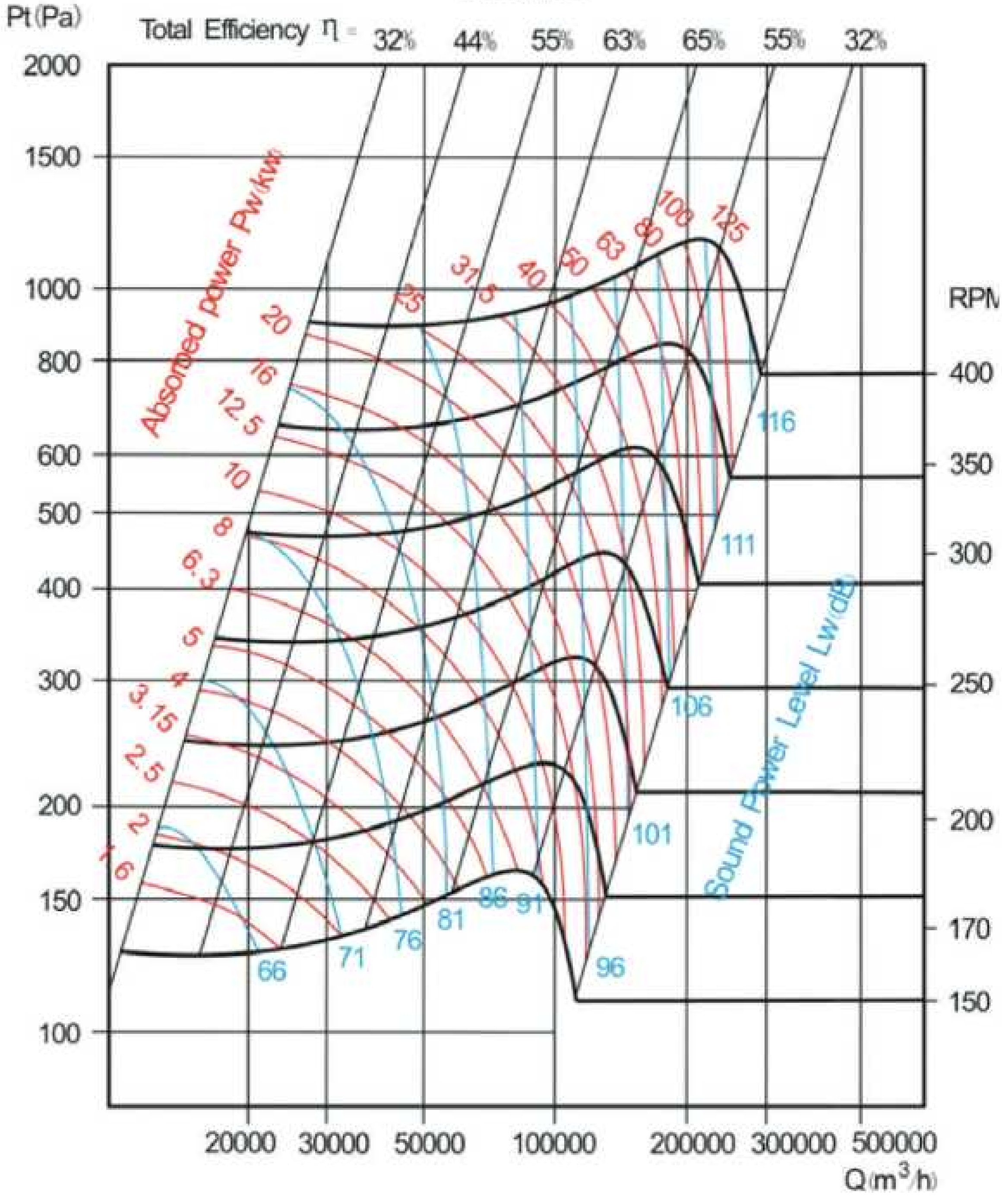
Performance Curve



Centrifugal Double Inlet Fan

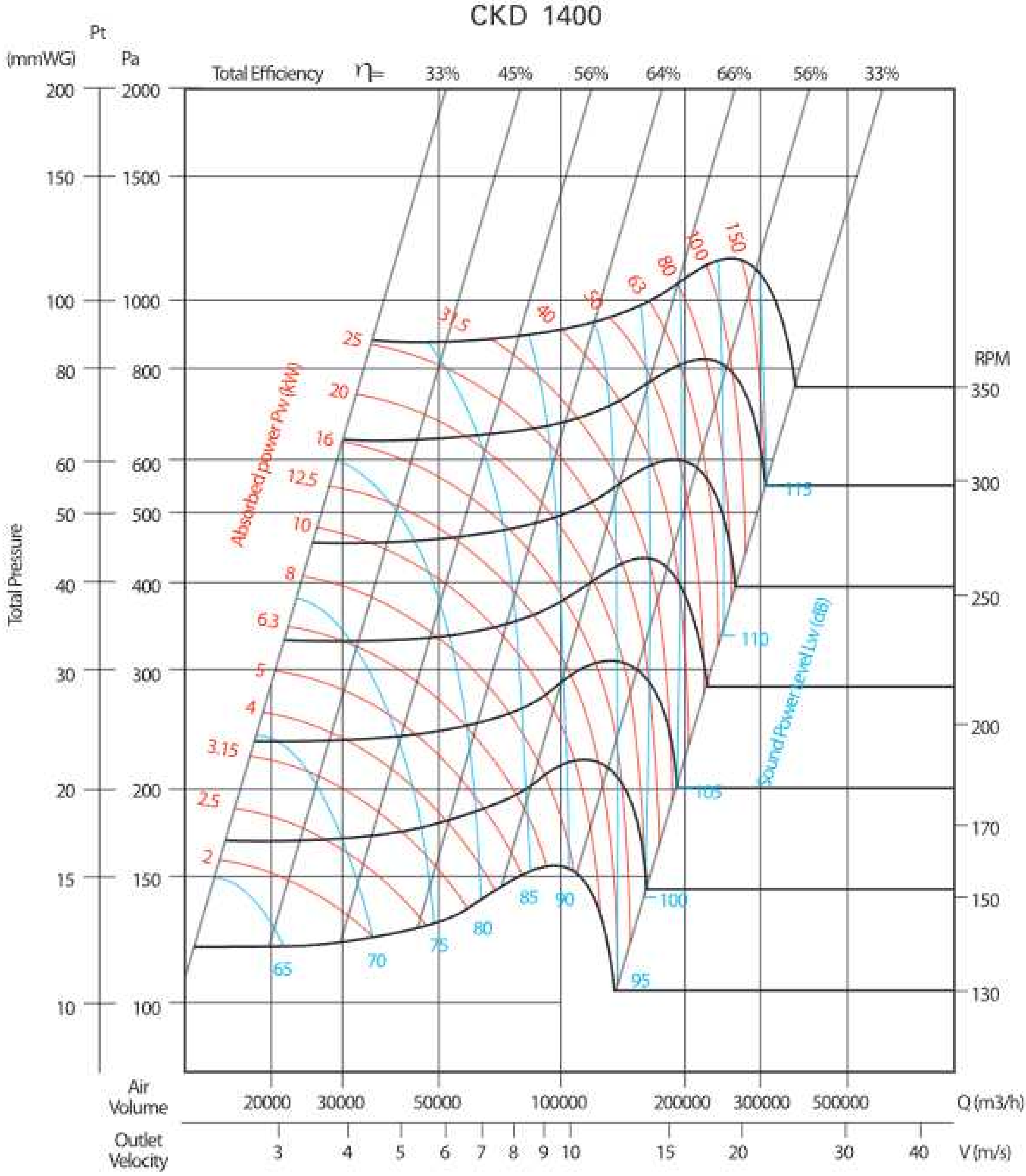
Performance Curve

CKD1250



Centrifugal Double Inlet Fan

Performance Curve



Centrifugal Single Inlet Fan

CKS

CKS fans are single inlet centrifugal fans equipped with forward curved blades.

The casing is constructed with electrowelded galvanized sheet steel. Rectangular side structures built with "L" profiles are spot-welded to the sides of the fan to strengthen the units. To allow for a proper fixing, grooved-shapes are drilled on the corners of the frame. Ball bearing are mounted in a rubber anti-vibration sleeve into two bearing support brackets.

All these low pressure centrifugal fans are designed for belt drive operations.

Motor

* Insulation Class F, IP55.

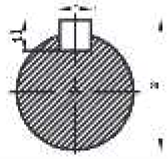
Specification

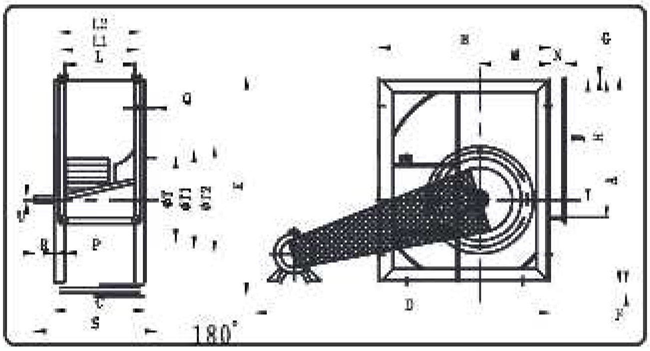
Type	Max Absorbed Pw kW	Max FanSpd RPM	Max Total Press Pa	Weight Kg
CKS 200	2	3000	1680	13.5
CKS 225	3	2800	1680	15
CKS 250	4	2400	1680	19
CKS 280	5	2200	1680	23.3
CKS 315	5	1800	1680	26.6
CKS 355	6.5	1600	1680	32.5
CKS 400	6.5	1400	1670	41.6
CKS 450	8	1300	1670	51.5
CKS 500	8	1200	1640	70
CKS 560	11	1000	1640	84
CKS 630	11	900	1600	104
CKS 710	14	700	1480	137
CKS 800	20	700	1600	260
CKS 900	22.5	600	1550	313
CKS 1000	30	550	1620	339
CKS 1120	40	450	1440	660
CKS 1250	50	400	1440	948
CKS 1400	60	350	1400	1249

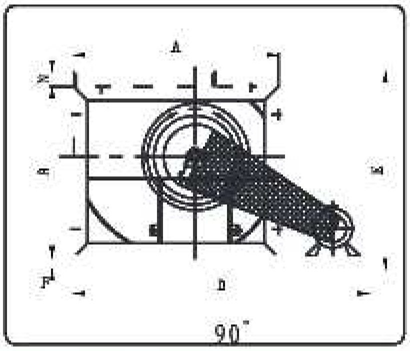
Any Changes Of Specification Without Further Notice

Centrifugal Single Inlet Fan

Dimension of Parts







Type	A	B	C	D 90°	D 180°	E 90°	E 180°	F	G	H	J	t	t1	z
CKS 200	370	315	195	750	700	395	420	50	5	250	219	6	6	22.5
CKS 225	415	355	210	800	740	435	465	50	5	280	246	6	6	22.5
CKS 250	465	390	230	900	820	475	515	50	4	315	274	8	7	28
CKS 280	525	435	265	950	850	520	575	50	5	355	307	8	7	33
CKS 315	578	480	288	1000	900	628	568	50	3	400	340	8	7	33
CKS 355	654	548	332	1050	950	704	628	50	6	450	383	10	8	38
CKS 400	736	612	359	1130	1000	786	700	50	5	500	432	10	8	38
CKS 450	827	681	393	1350	1200	892	791	65	5	560	486	12	8	43
CKS 500	918	750	430	1500	1300	983	865	65	5	630	538	12	8	43
CKS 560	1030	844	468	1600	1400	1095	957	65	7	710	603	14	9	48.5
CKS 630	1157	945	538	1750	1500	122	1063	65	6	800	679	14	9	53.5
CKS 710	1302	1057	584	1900	1600	1382	1200	80	7	900	765	14	9	53.5
CKS 800	1468	1180	658	2000	1700	1548	1334	80	7	1000	862	16	10	59
CKS 900	1648	1319	720	2300	1950	1748	1508	100	7	1120	971	18	11	64
CKS 1000	1810	1450	808	2500	2100	1910	1640	100	9	1250	1066	18	11	64
CKS 1120	2033	1630	860	2750	2300	2153	1845	120	9	1400	1200	20	12	79.5
CKS 1250	2285	1831	955	3000	2500	2405	2050	120	9	1560	1353	22	14	85
CKS 1400	2568	2057	1055	3500	3000	2708	2310	140	13	1750	1515	22	14	85

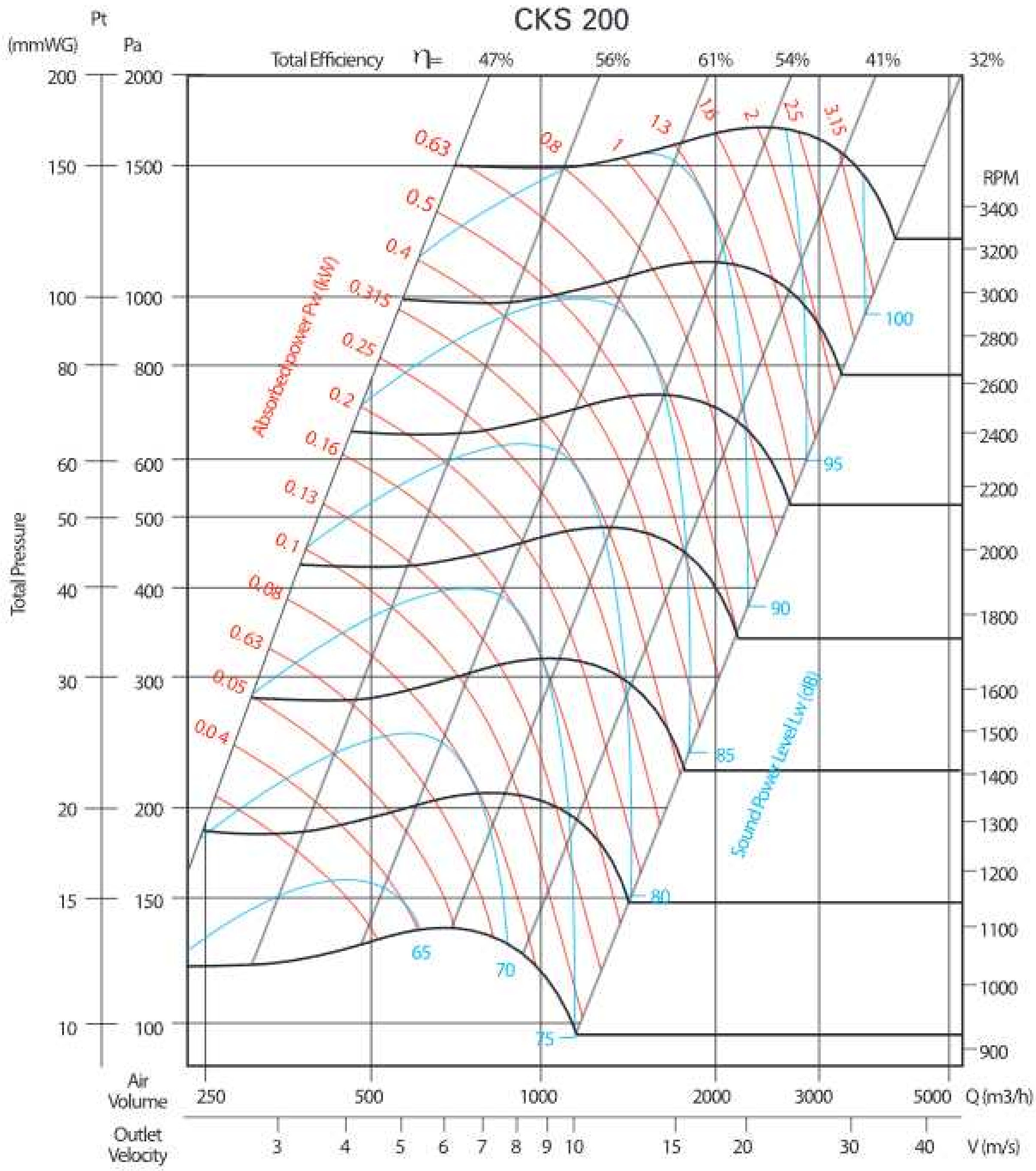
Type	L	L1	L2	M	N	P	Q	R	S	ØT	ØT1	ØT2	ØU
CKS 200	135	158	186	134	30	30	30	65	290	200	240	270	20
CKS 225	145	173	201	152	30	30	30	75	310	225	250	280	20
CKS 250	175	193	221	159	35	30	30	75	340	250	280	310	25
CKS 280	195	208	236	180	344	30	30	75	360	280	310	340	30
CKS 315	223	251	279	198	38	30	50	84	417	315	350	380	30
CKS 355	247	275	303	230	30	40	40	96	463	355	400	430	35
CKS 400	274	302	330	252	38	40	60	96	510	400	450	480	35
CKS 450	308	336	364	277	45	40	60	118	566	450	500	530	40
CKS 500	345	373	401	302	50	40	60	118	603	500	550	580	40
CKS 560	383	411	439	342	48	40	60	124	647	560	610	646	45
CKS 630	433	461	489	381	53	50	70	114	717	630	680	716	50
CKS 710	479	507	535	421	63	50	70	138	787	710	760	796	50
CKS 800	533	561	589	466	74	60	60	1128	841	800	850	886	55
CKS 900	595	623	651	515	89	60	60	136	911	900	950	986	60
CKS 1000	663	691	719	566	90	70	50	126	979	1000	1050	1086	60
CKS 1120	715	743	771	653	95	70	130	153	1173	1120	1180	1226	75
CKS 1250	800	728	856	731	99	75	125	166	1250	1250	1310	1356	80
CKS 1400	900	950	1000	850	113	75	125	181	1396	1400	1460	1506	80

Dimension : mm

Any Changes Of Specification Without Further Notice
Any Changes Of Specification Without Further Notice

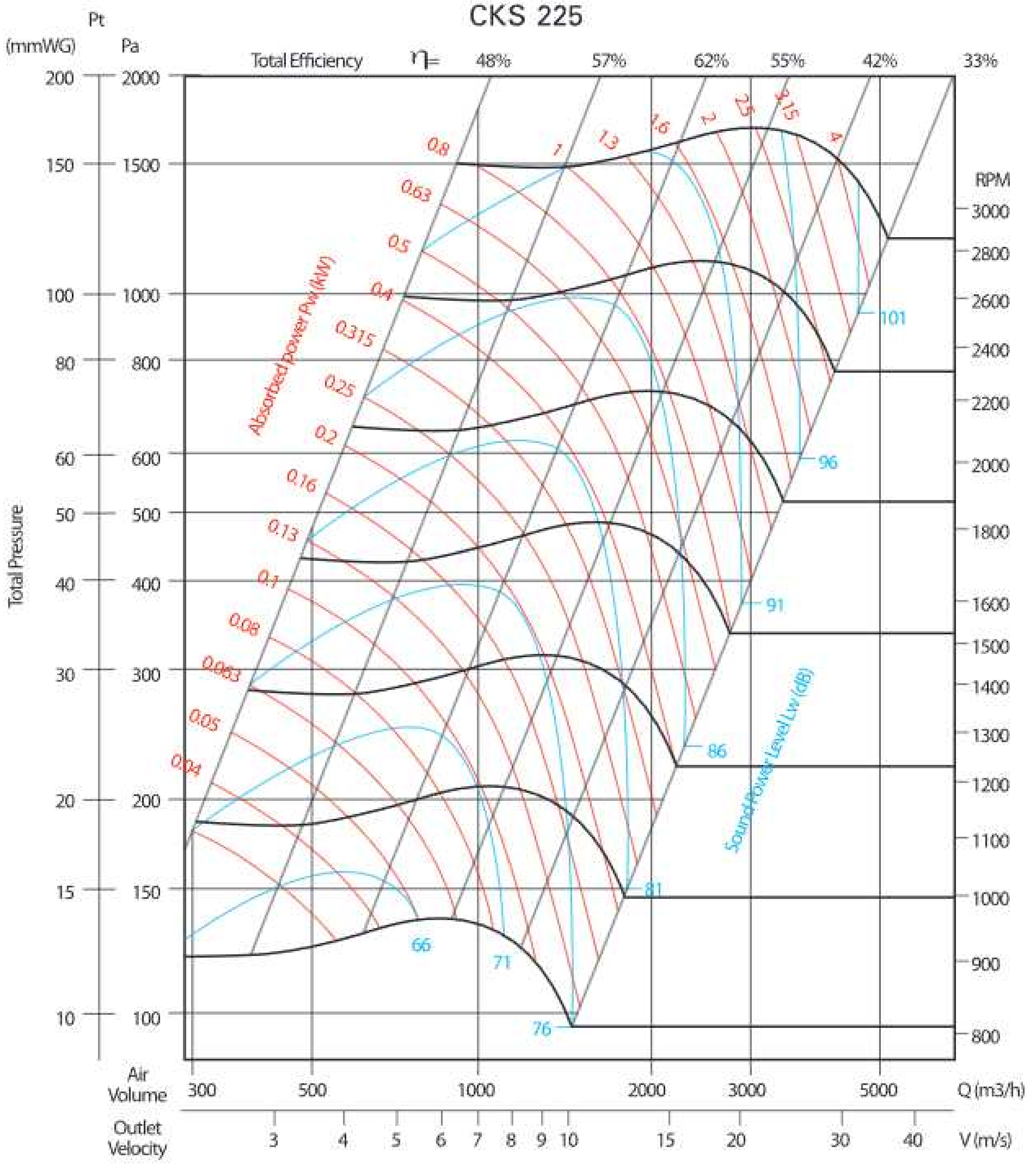
Centrifugal Double Inlet Fan

Performance Curve



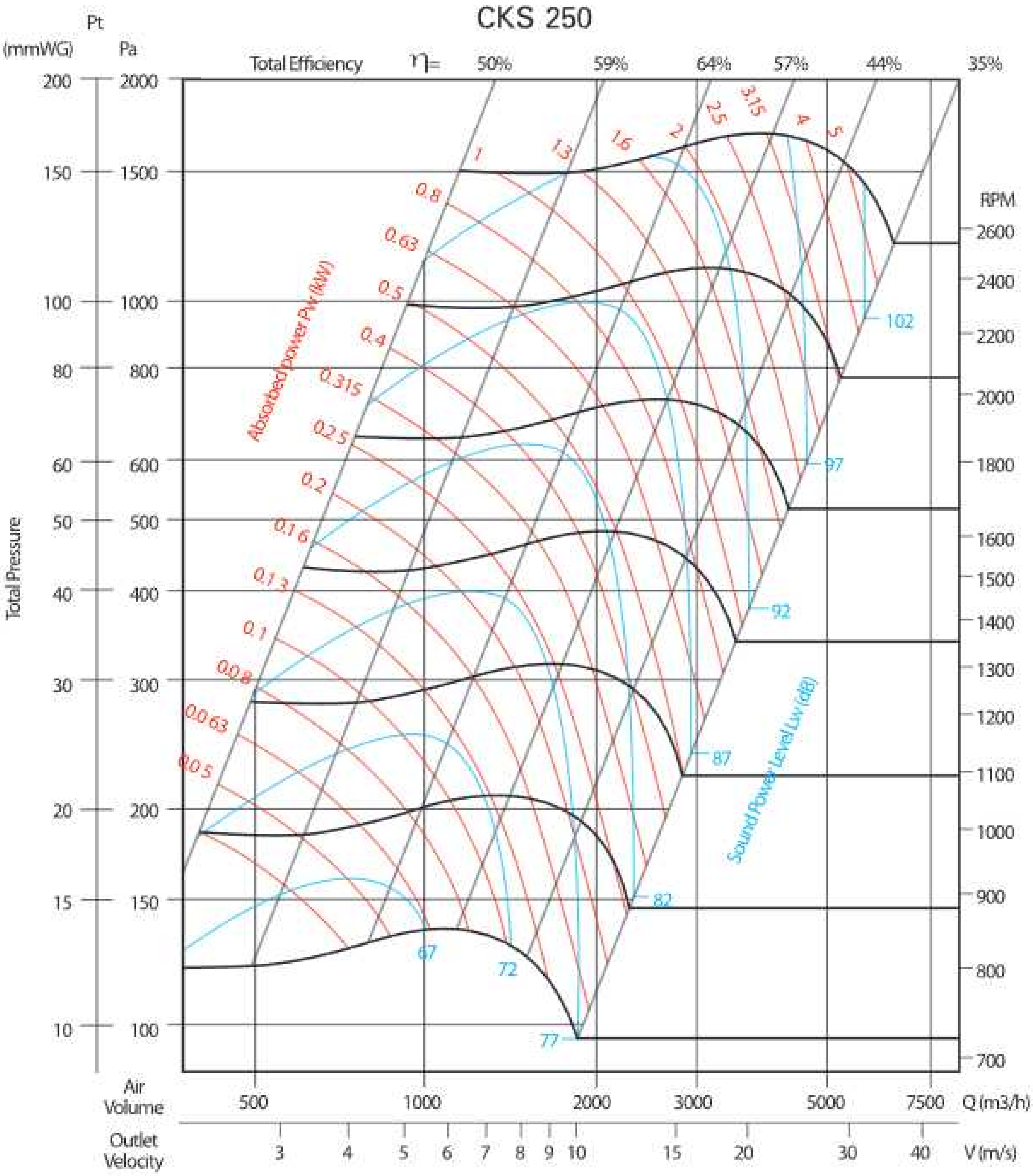
Centrifugal Double Inlet Fan

Performance Curve



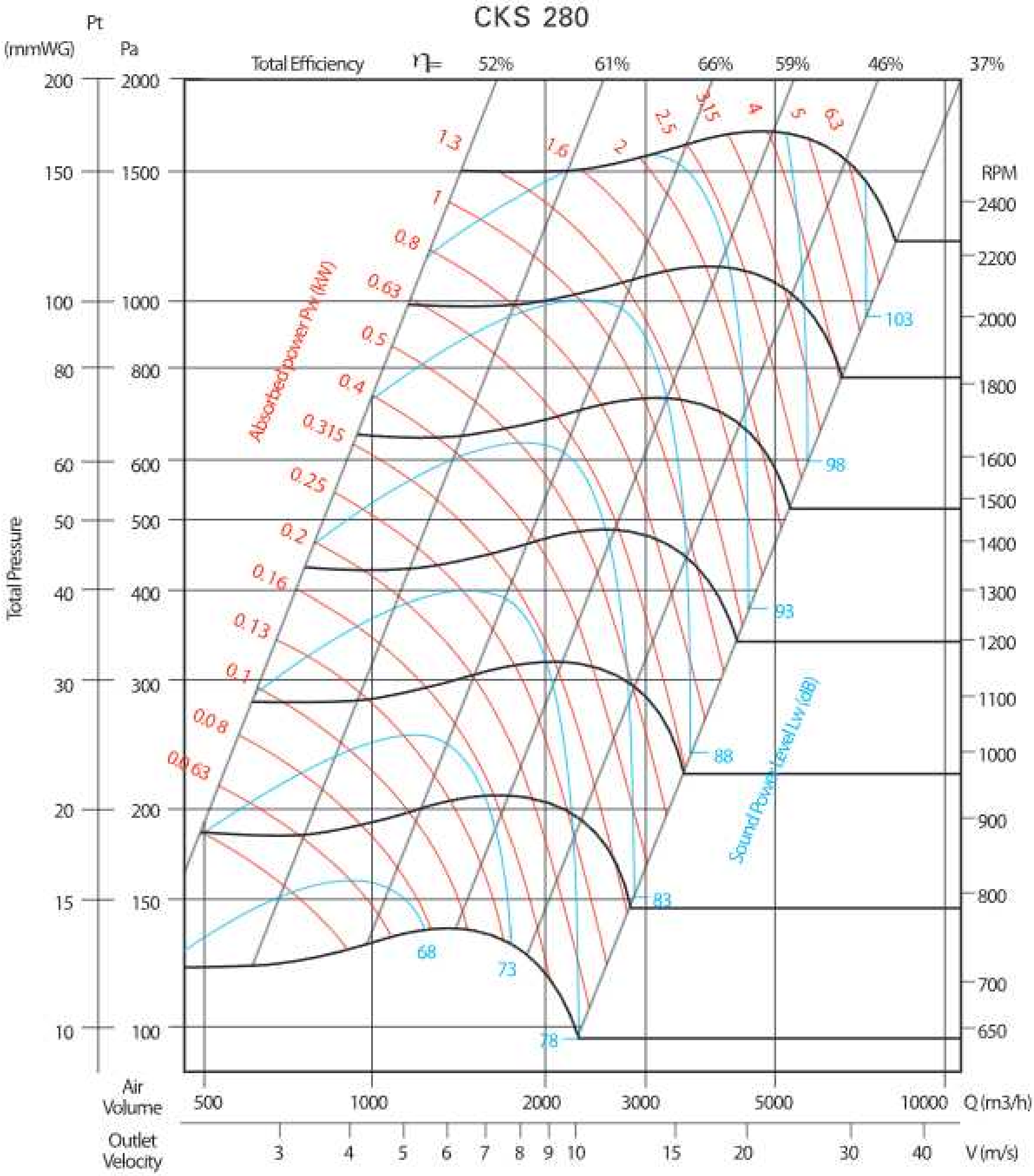
Centrifugal Double Inlet Fan

Performance Curve



Centrifugal Double Inlet Fan

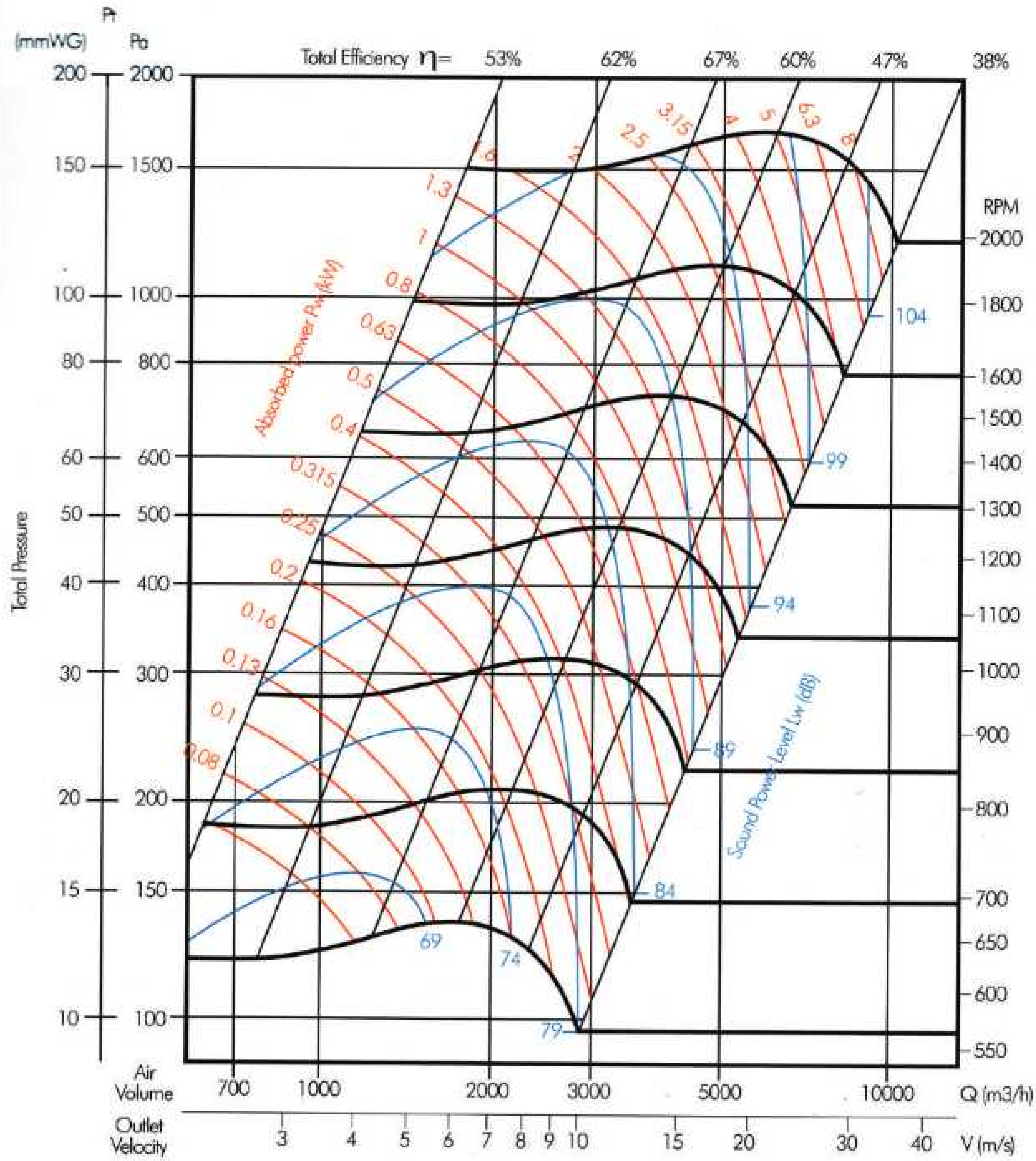
Performance Curve



Centrifugal Double Inlet Fan

Performance Curve

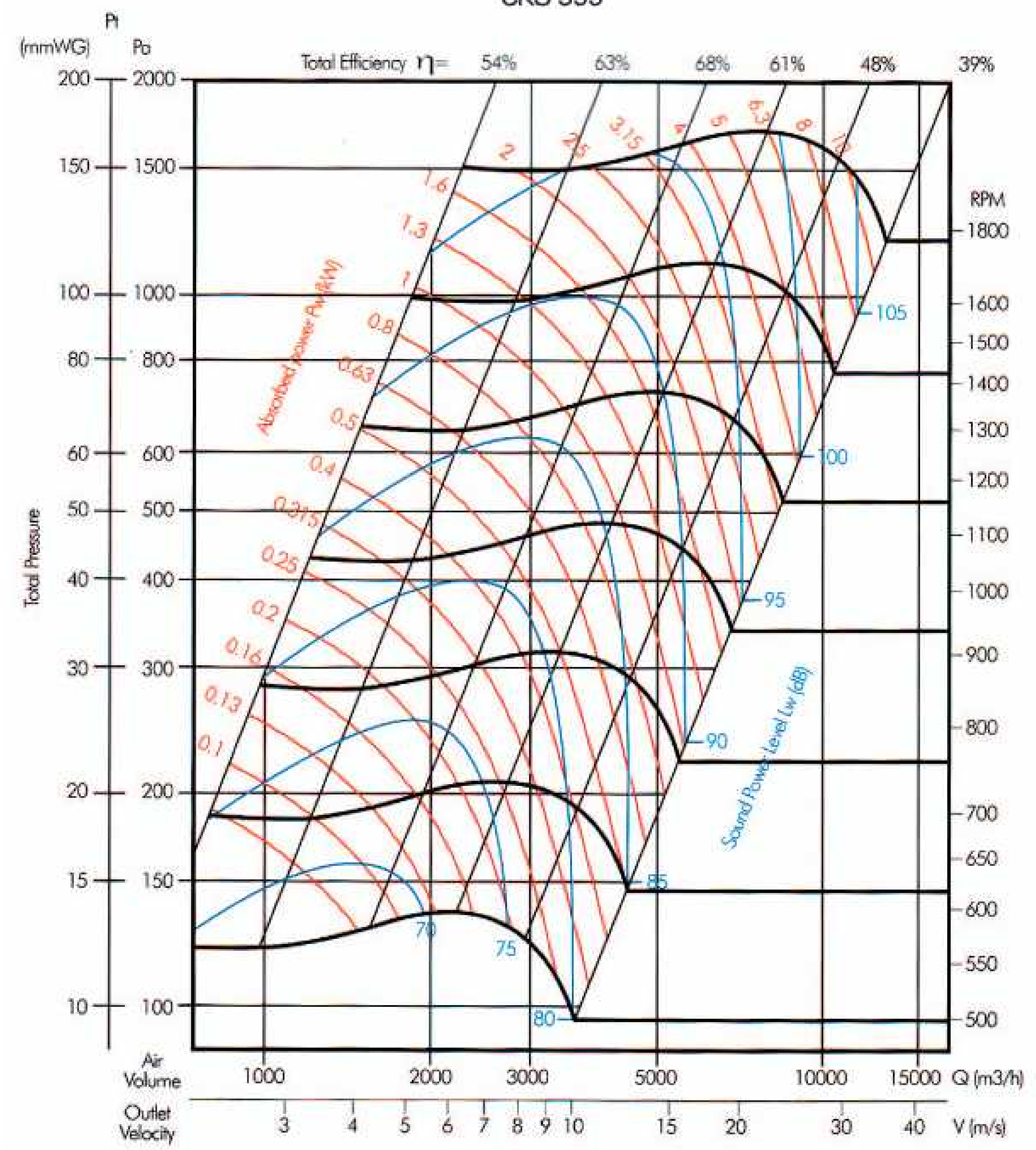
CKS315



Centrifugal Double Inlet Fan

Performance Curve

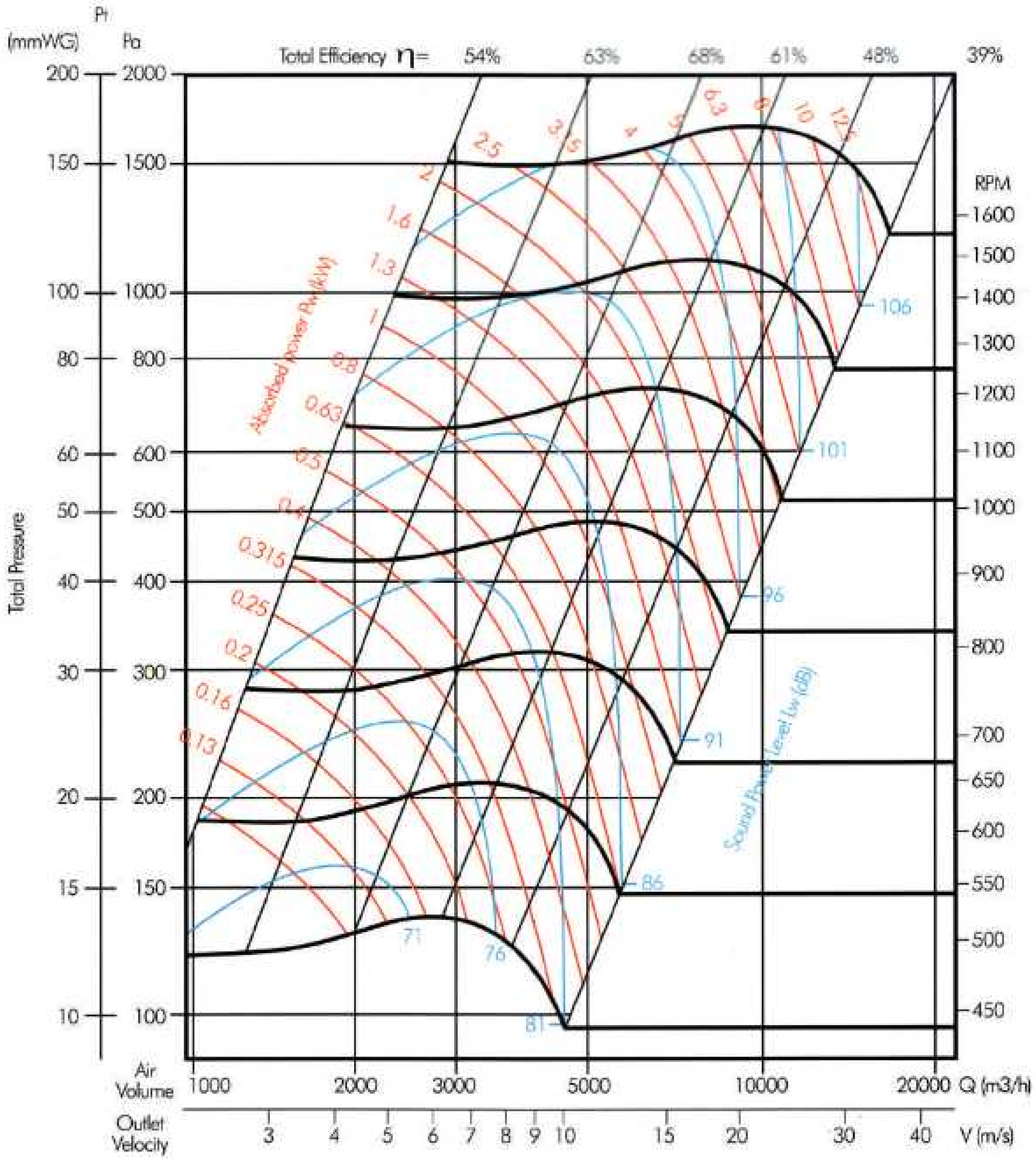
CKS 355



Centrifugal Double Inlet Fan

Performance Curve

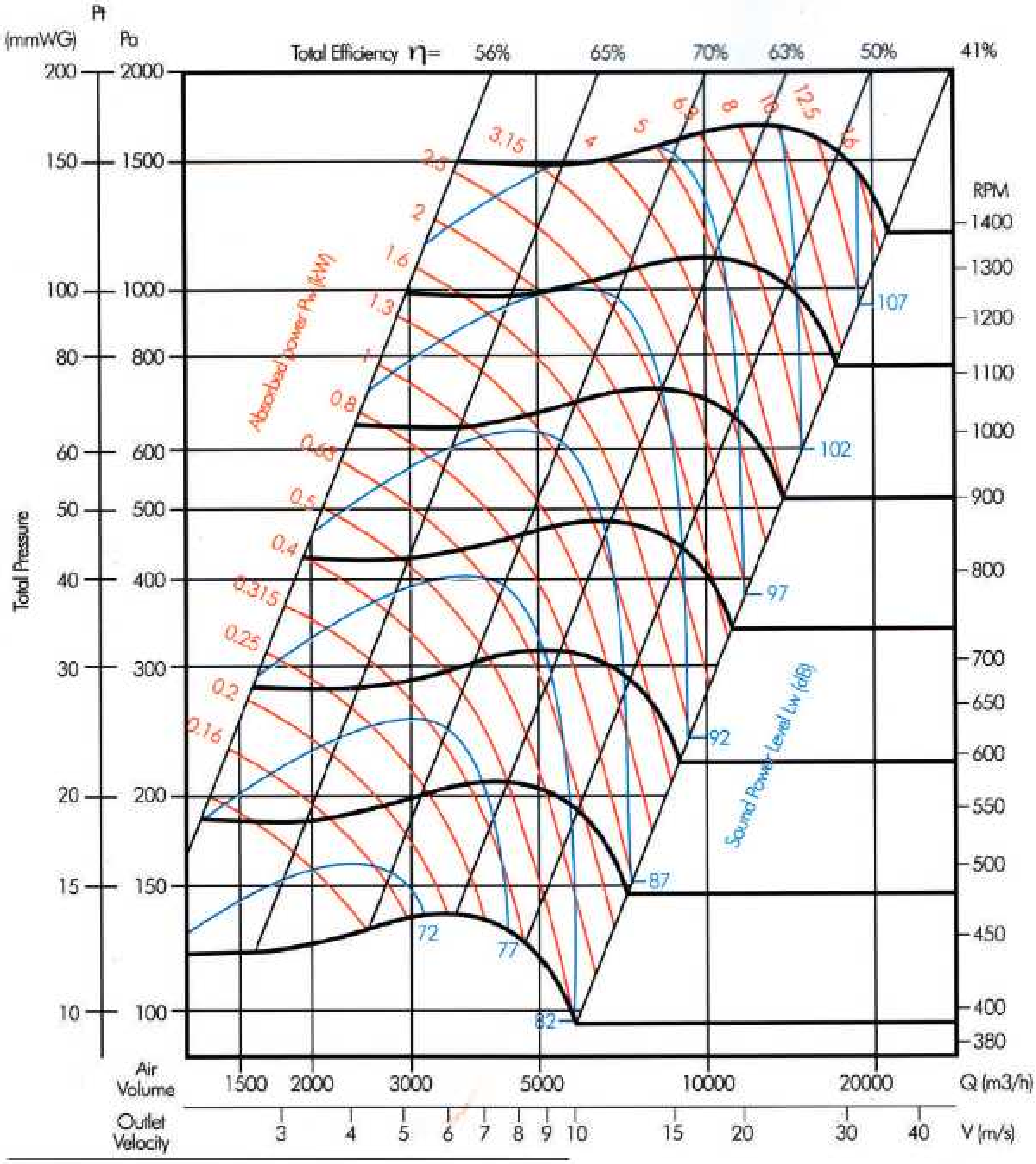
CKS400



Centrifugal Double Inlet Fan

Performance Curve

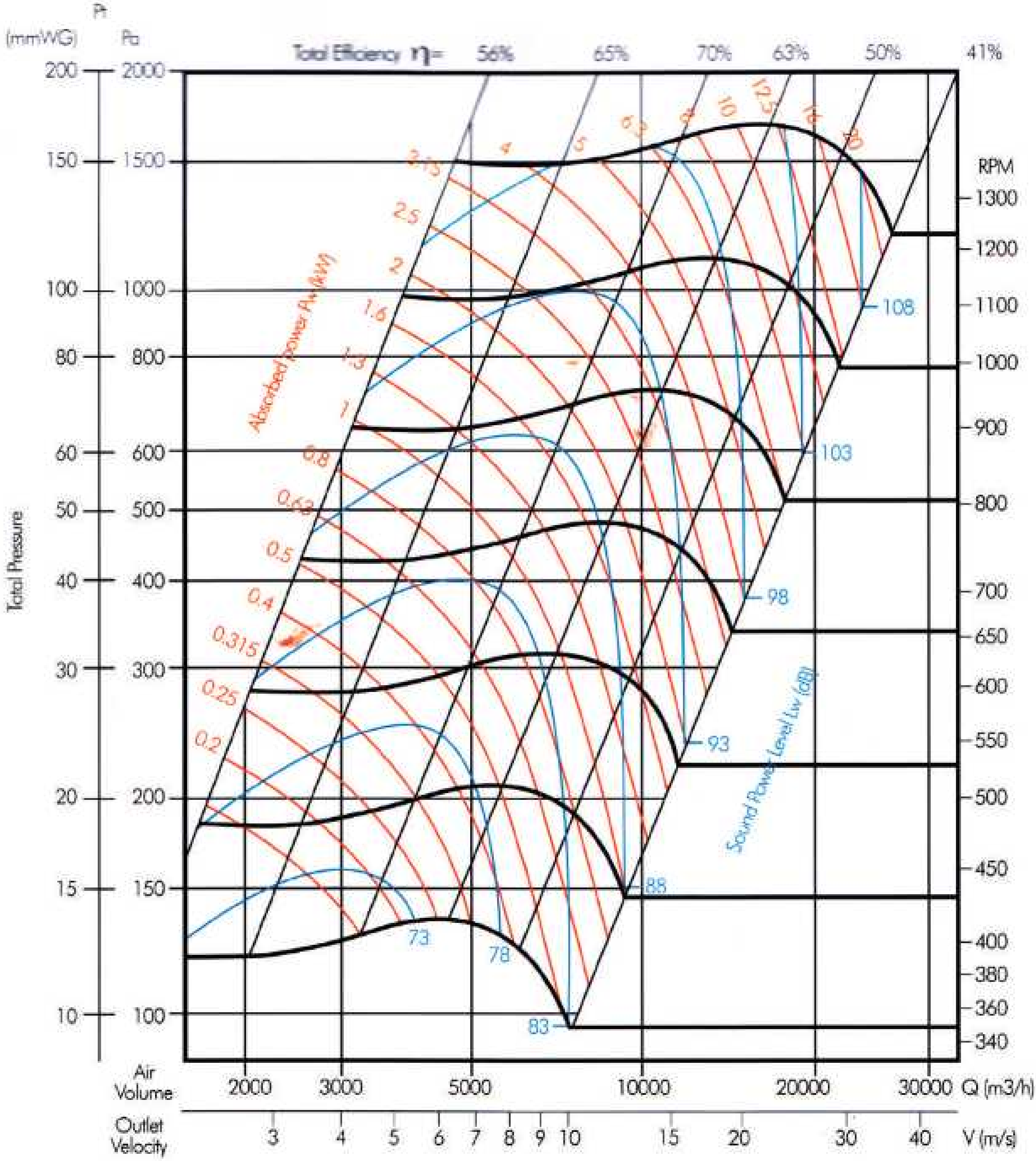
CKS 450



Centrifugal Double Inlet Fan

Performance Curve

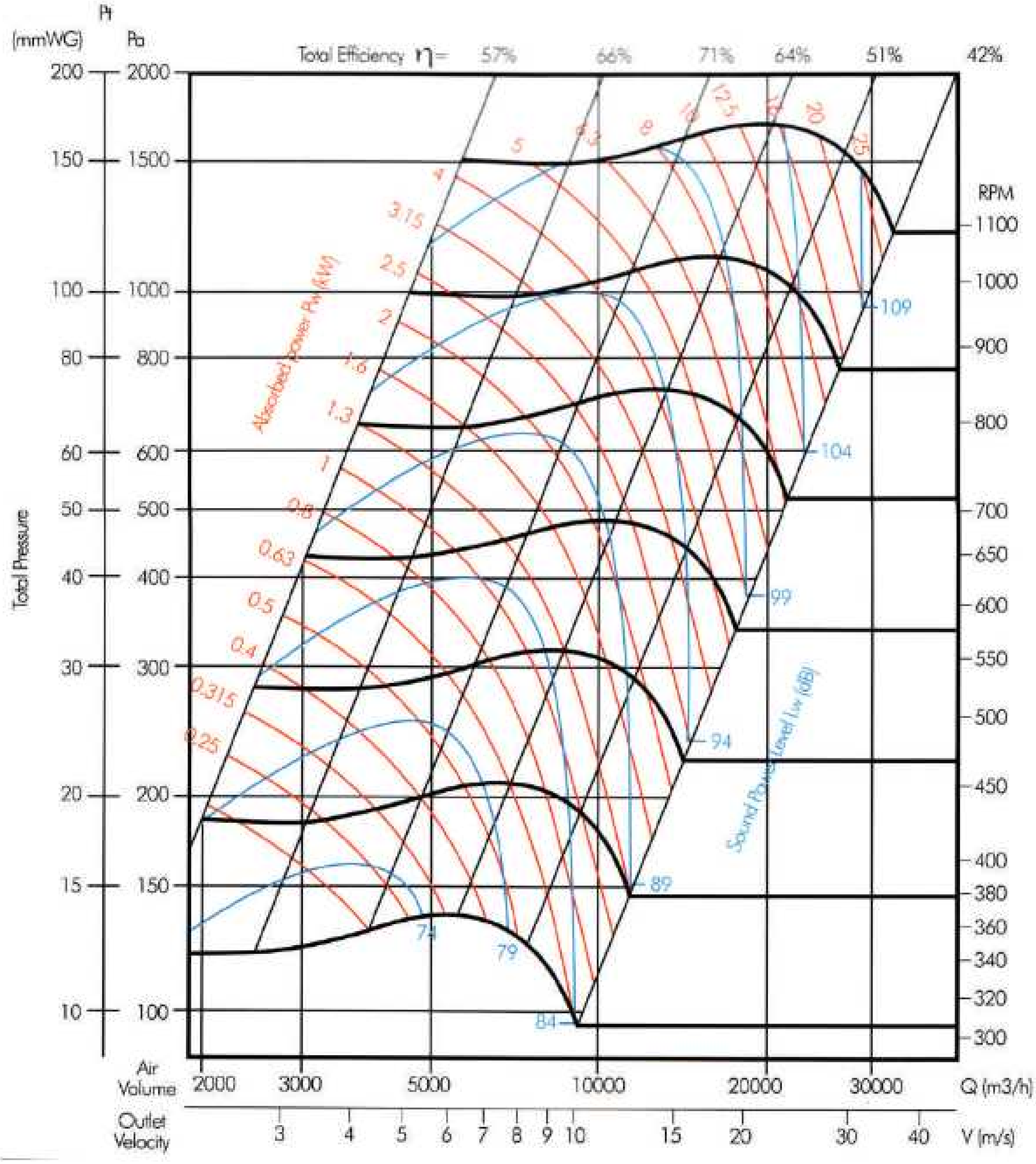
CKS 500



Centrifugal Double Inlet Fan

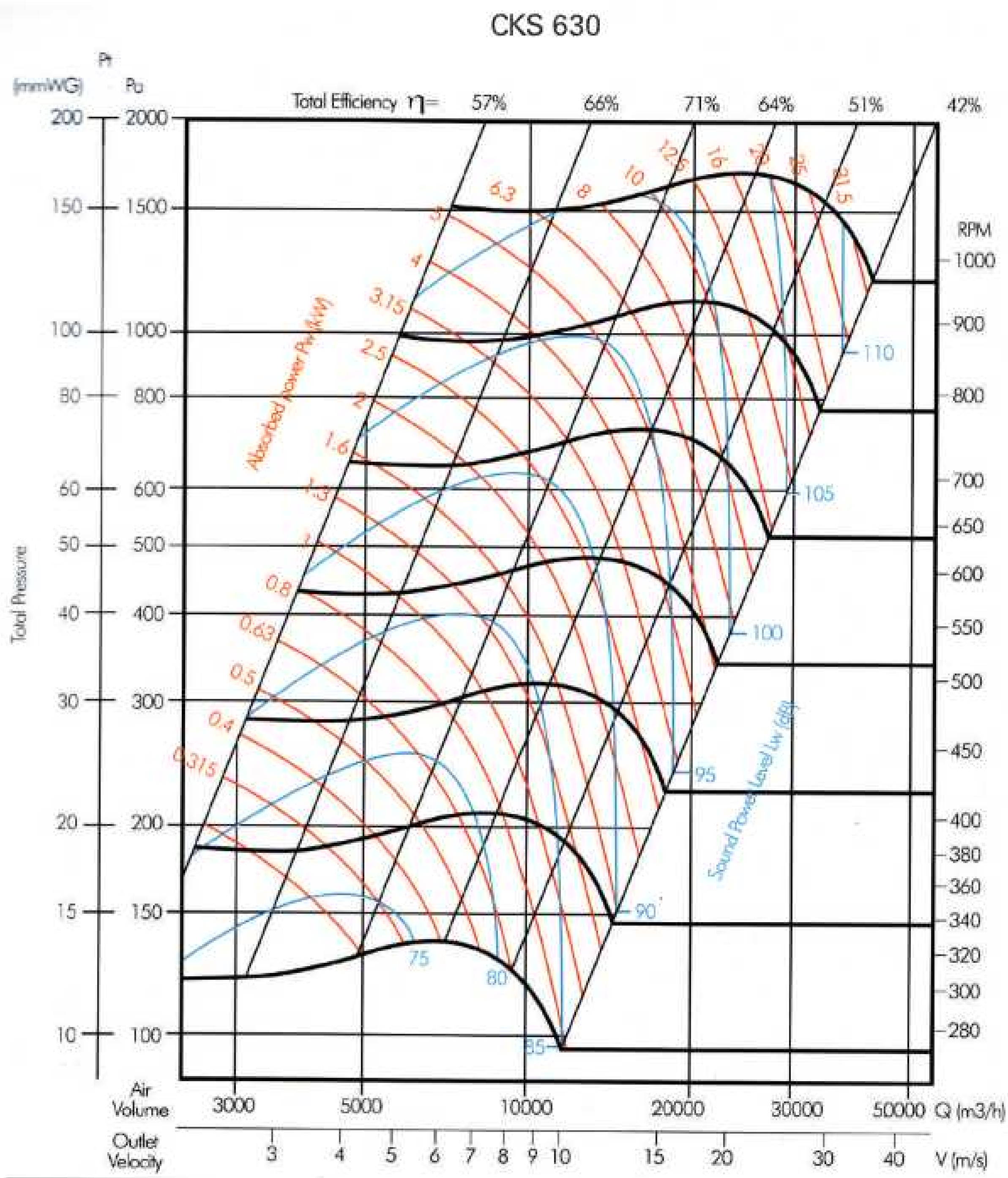
Performance Curve

CKS 560



Centrifugal Double Inlet Fan

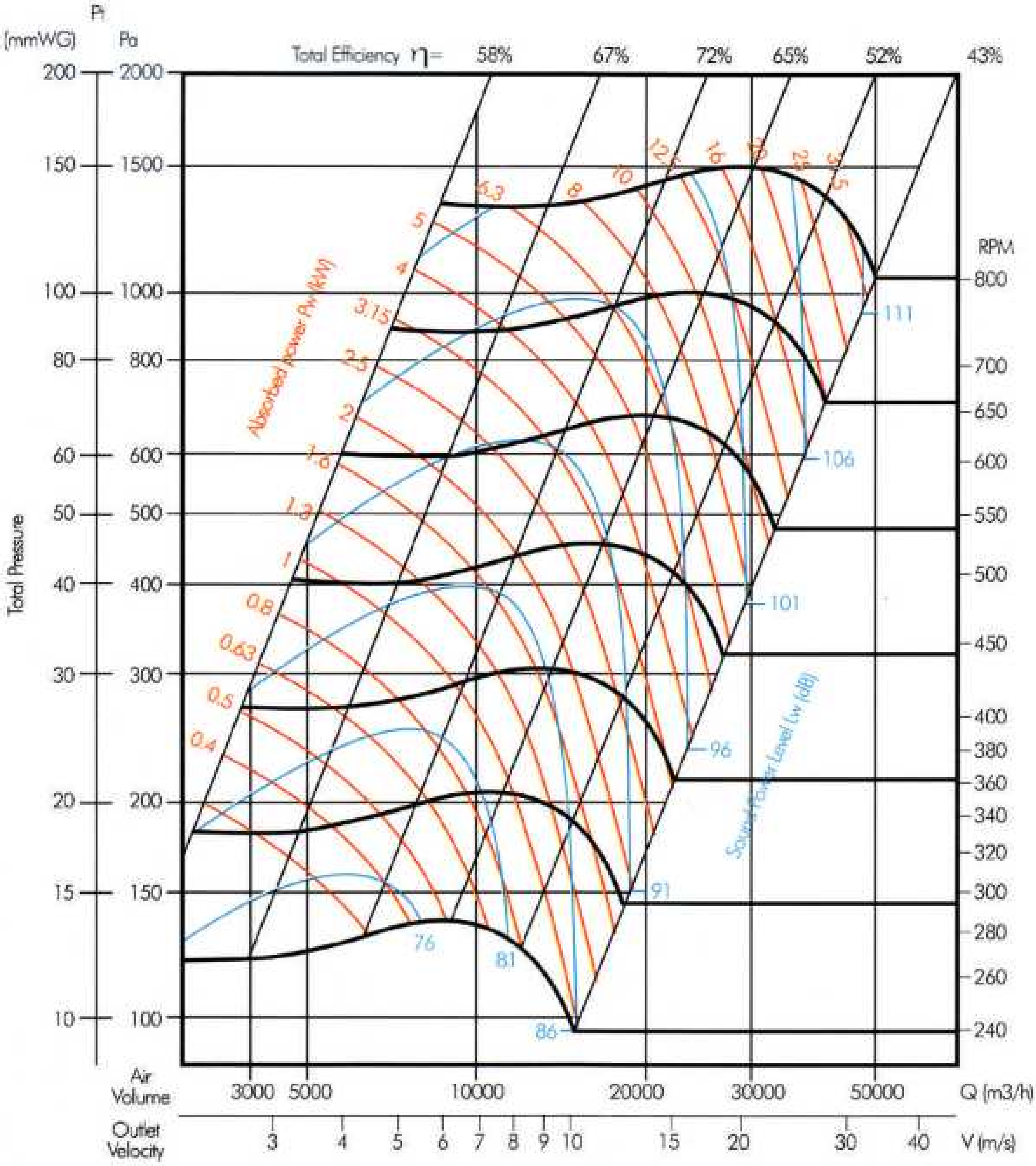
Performance Curve



Centrifugal Double Inlet Fan

Performance Curve

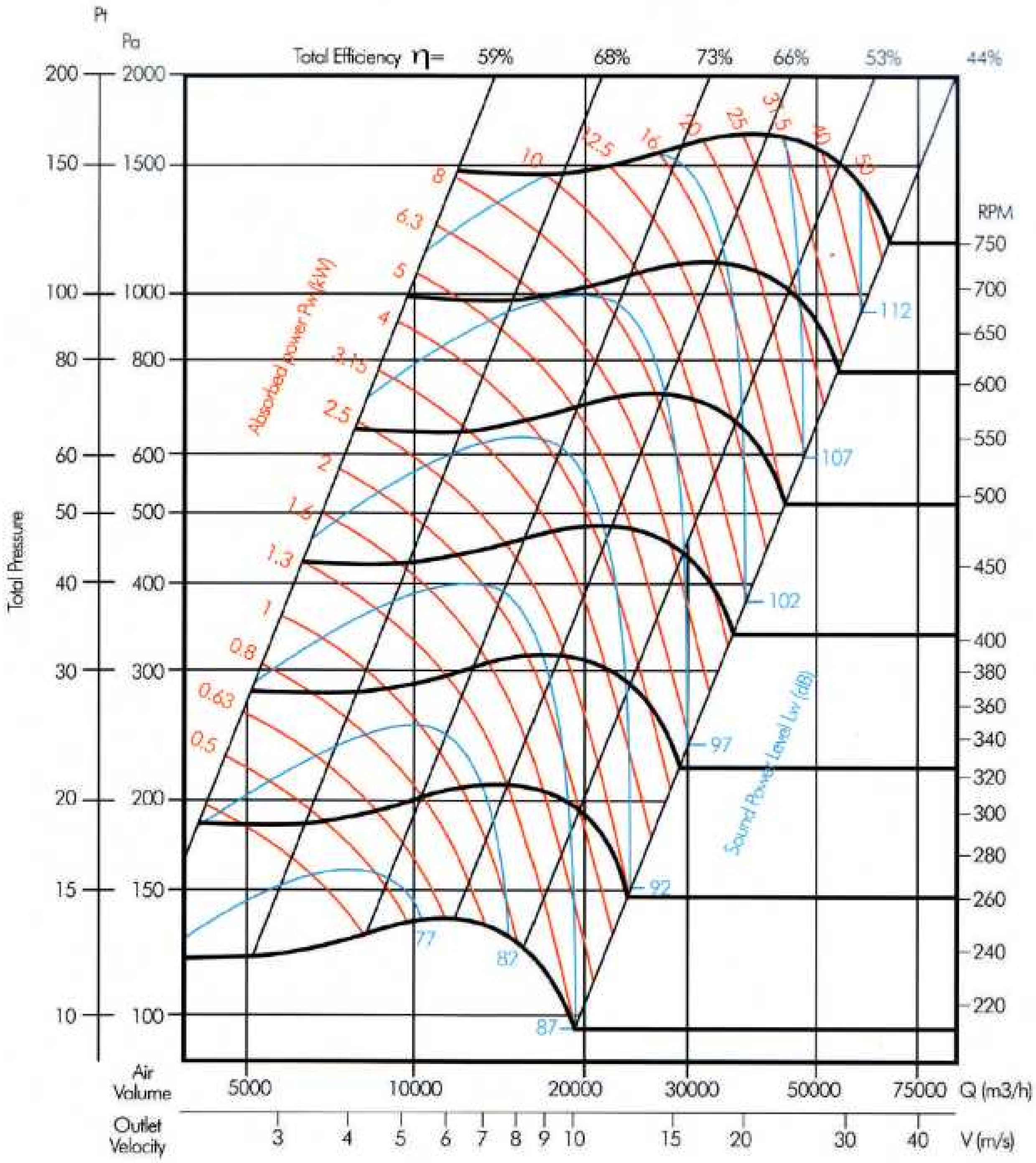
CKS 710



Centrifugal Double Inlet Fan

Performance Curve

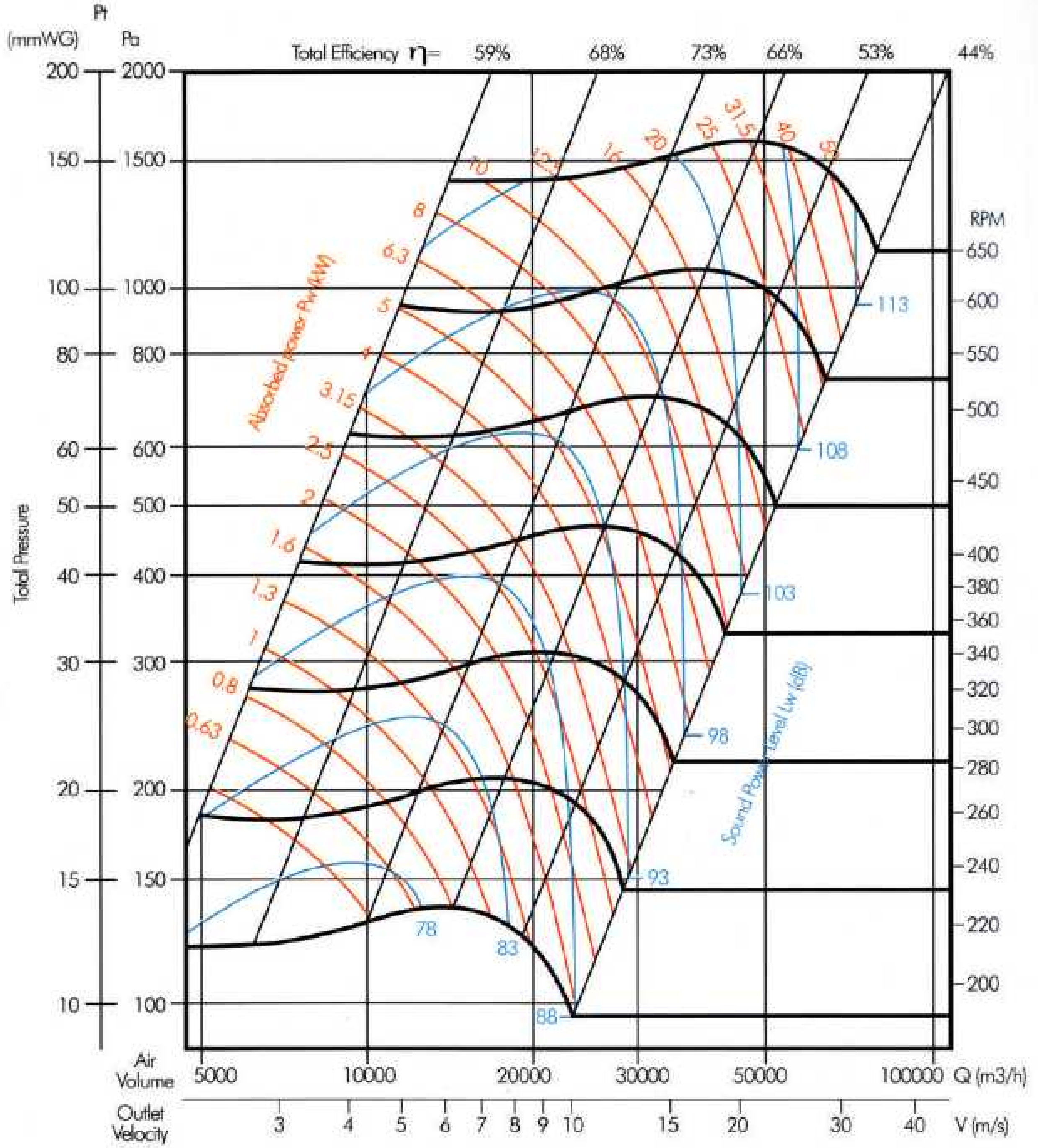
CKS 800



Centrifugal Double Inlet Fan

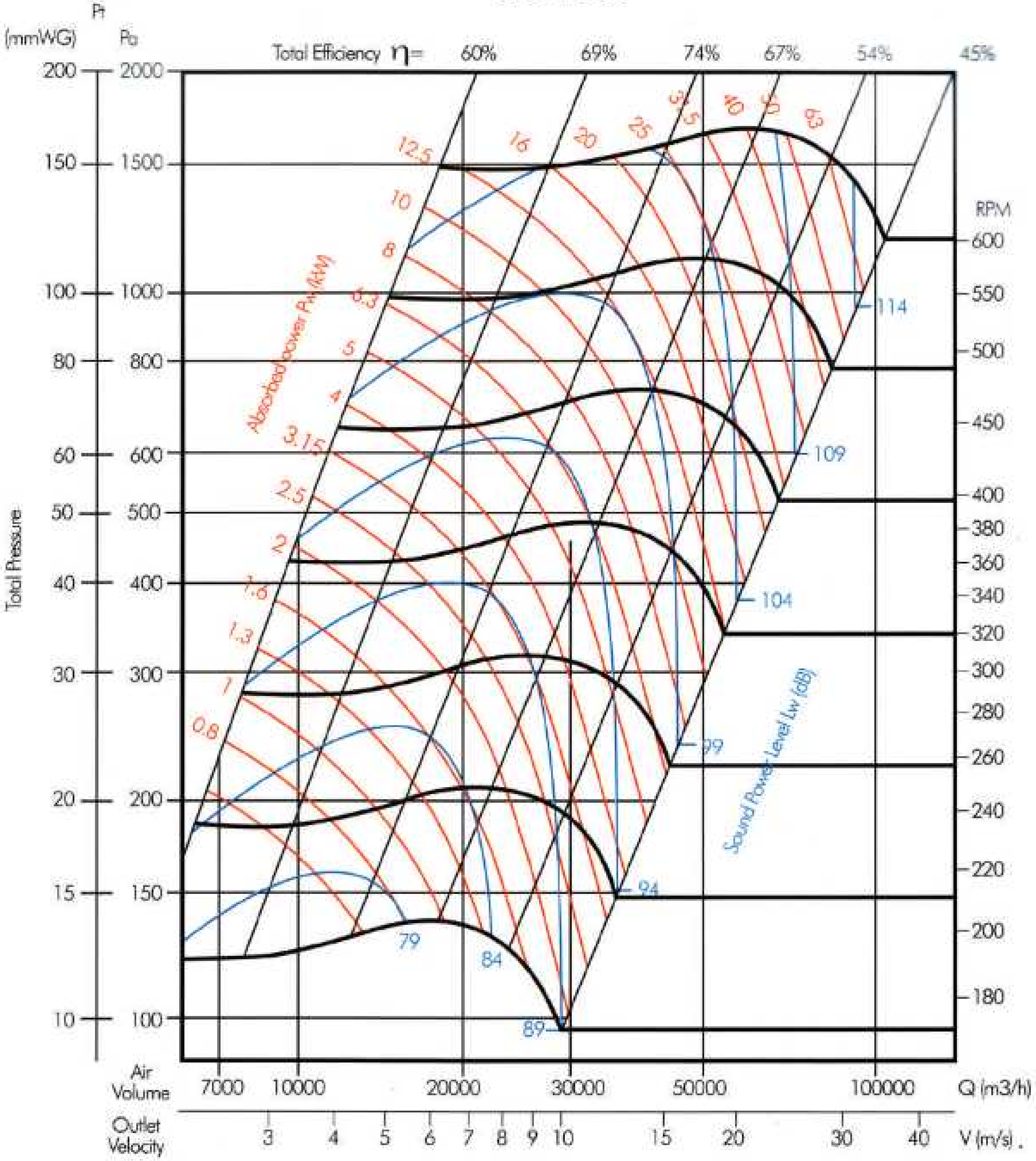
Performance Curve

CKS 900



Centrifugal Double Inlet Fan

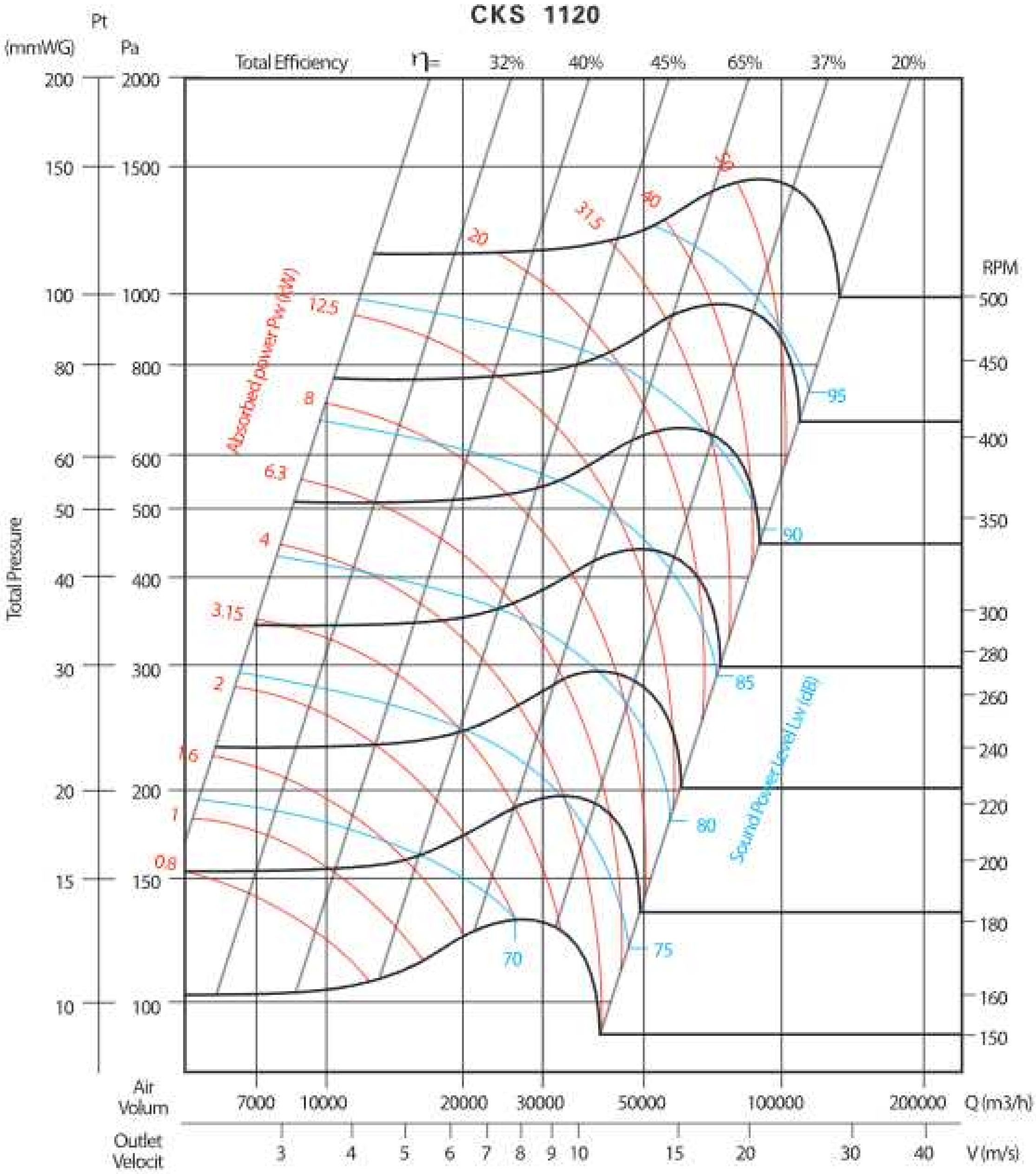
Performance Curve



Centrifugal Single Inlet Fan

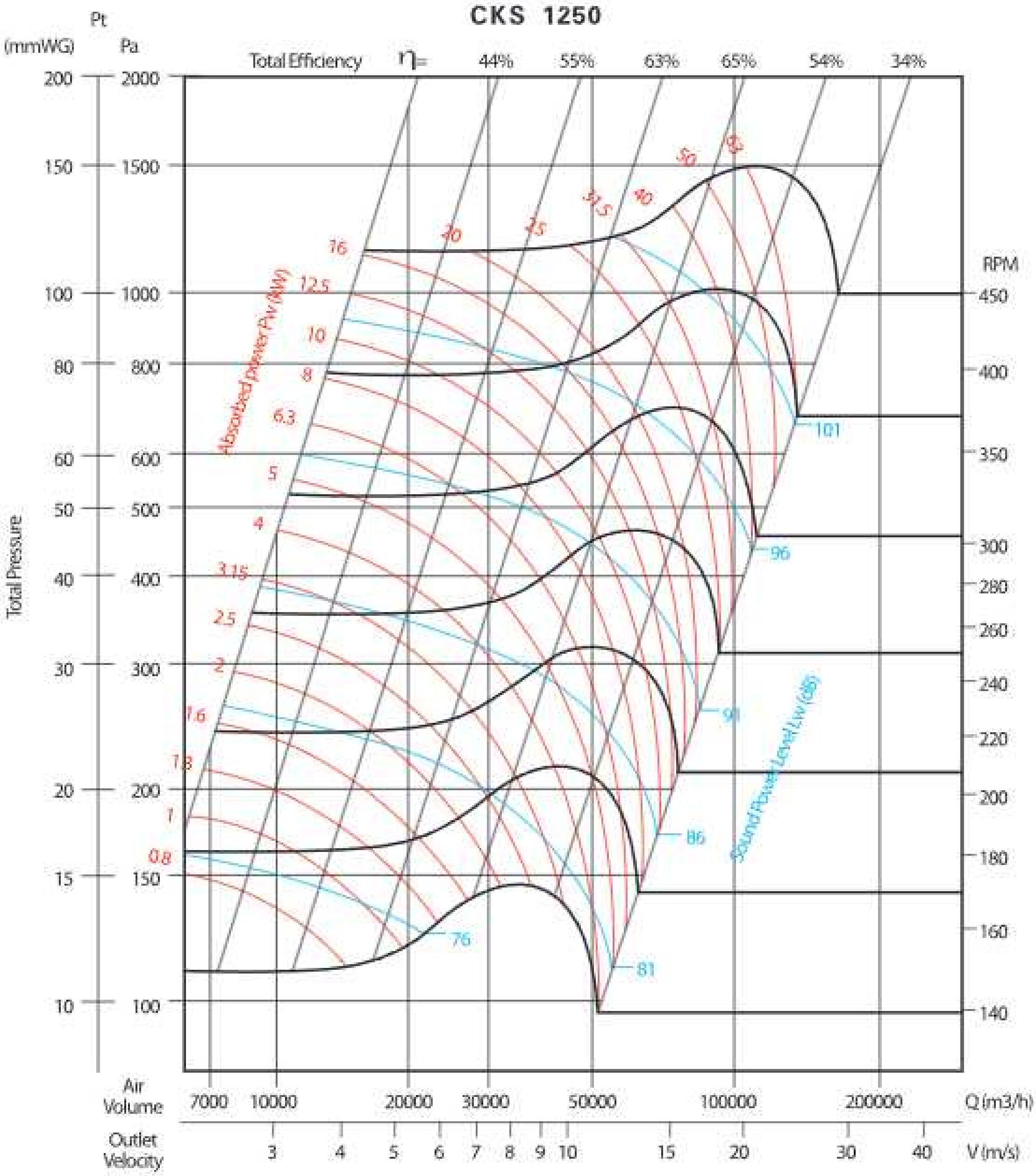
Performance Curve

CKS 1120



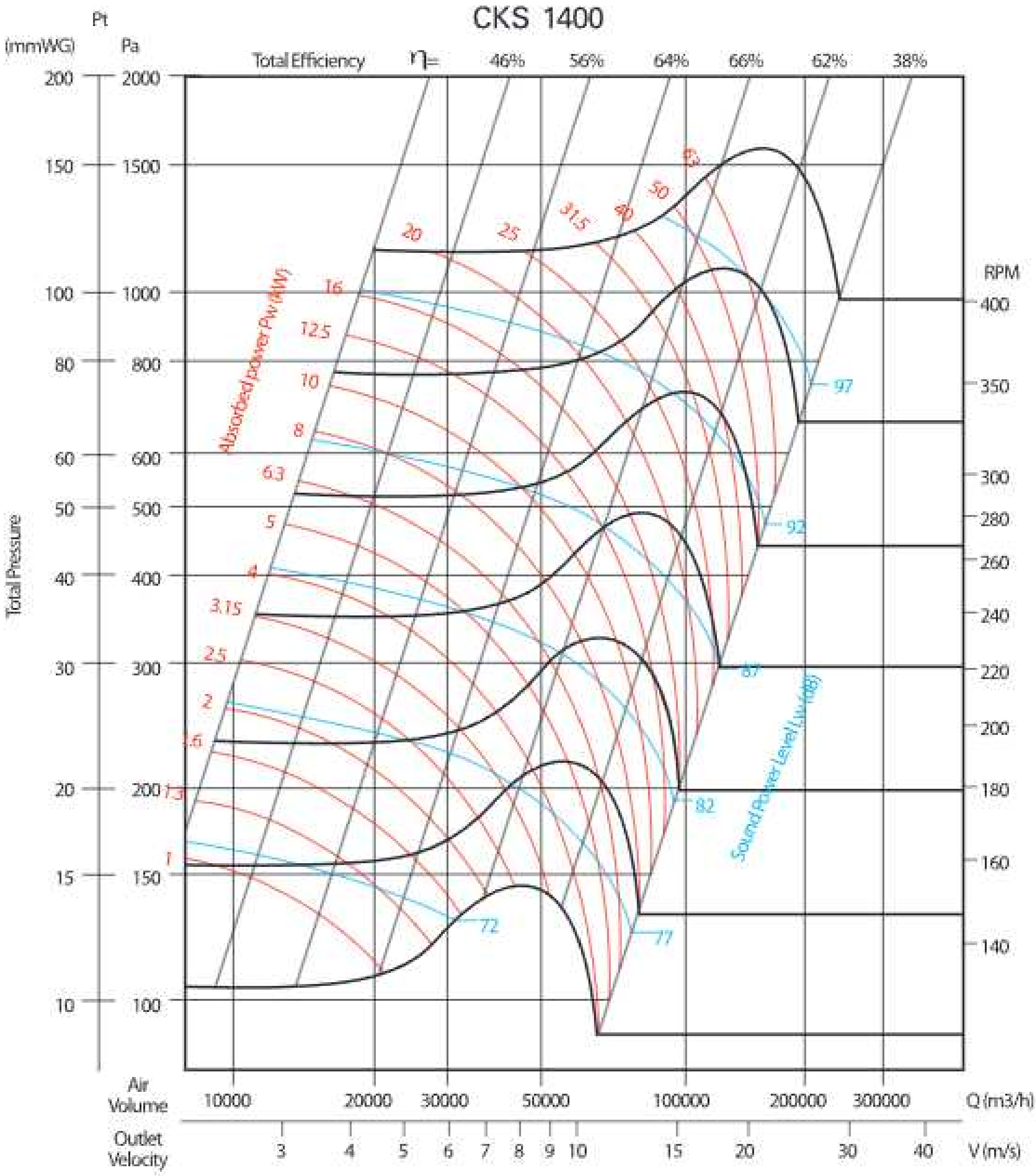
Centrifugal Single Inlet Fan

Performance Curve



Centrifugal Single Inlet Fan

Performance Curve

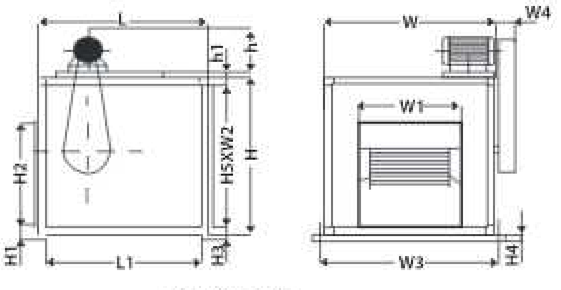


Any Changes Of Specification Without Further Notice

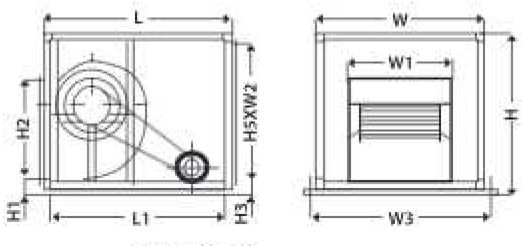
Centrifugal Cabinet Fan

- The frame of cabinet fan is made of alumunium, the fan adopt labyrinthic seal.
- The thickness of panel is 25mm
- The impeller is designed for forward impeller, so it has large volume
- It can be used to antisepticising and anti-exploding and fire protection.
- It used to ventilate in hotel, building and factory etc.

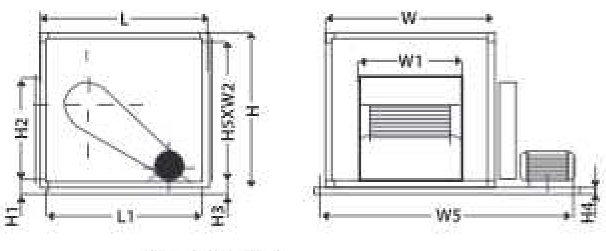
Dimension of Parts



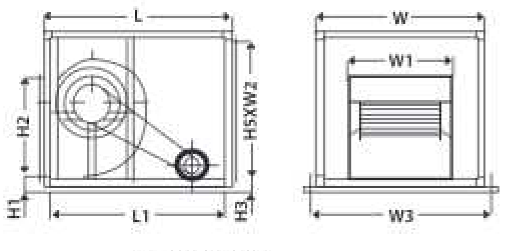
SDZ200F-710F



SDZ200F-710



SDZ200F-1000F



SDZ800F-1000F

Type	Dimensions				Inlet		Outlet		Bracket Hole Dimensions					Auxiliary Dimensions					Weight (Kg)	
	Length		Width	Height	Width	Height	Width	Height	L1		W3		W5	H1	H3	H4	h1	W4	A	B
	A	B							A	B	A	B	A							
200	570	850	570	525	490	445	250	255	533	813	730	730	950	150	90	50	50	85	76	74
225	620	900	620	570	540	490	275	290	583	863	780	780	1000	150	90	50	50	85	82	80
250	670	960	670	615	590	535	300	315	633	923	830	830	1100	150	90	50	50	85	90	88
280	750	1040	750	675	670	595	350	360	713	1003	910	910	1180	150	90	50	50	85	95	92
315	825	1150	825	735	745	655	390	405	788	1113	980	980	1285	150	90	50	50	100	111	106
355	905	1210	905	810	825	730	430	450	868	1173	1062	1062	1365	150	90	50	50	100	134	127
400	995	1280	995	895	915	815	475	510	955	1240	1155	1155	1515	160	100	60	50	120	150	141
450	1110	1400	1110	980	1030	900	540	575	1070	1360	1270	1270	1665	160	100	60	50	120	203	194
500	1230	1470	1230	1075	1150	995	610	640	1187	1427	1390	1390	1785	160	100	60	50	120	262	253
560	1350	1630	1350	1185	1270	1105	670	720	1307	1587	1510	1510	1950	180	120	80	50	140	349	340
630	1545	1750	1545	1310	1465	1230	795	805	1497	1702	1705	1705	2145	180	120	80	60	140	420	410
710	1720	1910	1720	1455	1640	1375	890	900	1677	1862	1880	1880	2440	200	140	100	60	160	495	484
800	1920	2000	1920	1620	1840	1540	1000	1010	1867	1947	2080	2080	2670	200	140	100	60		652	632
900	2140	2200	2140	1895	2060	1815	1120	1130	2087	2147	2300	2300	3050	226	166	120	60		800	764
1000	2280	2340	2280	1985	2200	1905	1160	1265	2220	2280	2440	2440	3190	226	166	120	60		997	957

Dimensions (mm)

Any Changes Of Specification Without Further Notice

Centrifugal Double Inlet Fan

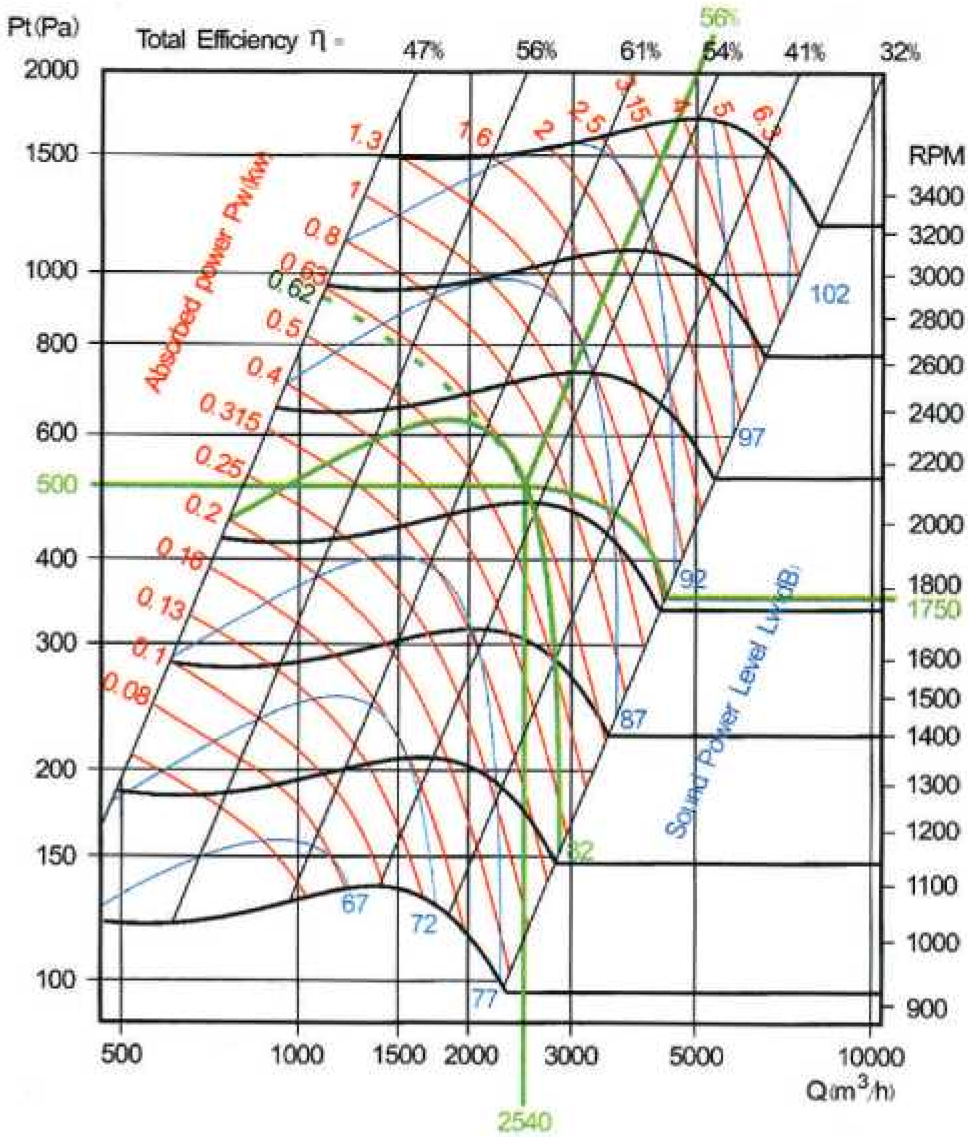
Performance Curve

Fan size	200mm
Air volume	2540m³/h
Total pressure	500Pa
Fan speed	1750rpm
Total efficiency	56%
Absorbed power	0.62kw
Sound power level	**82dB**

Motor rating safety margin : 0.74kw

up to 10kw: 15%

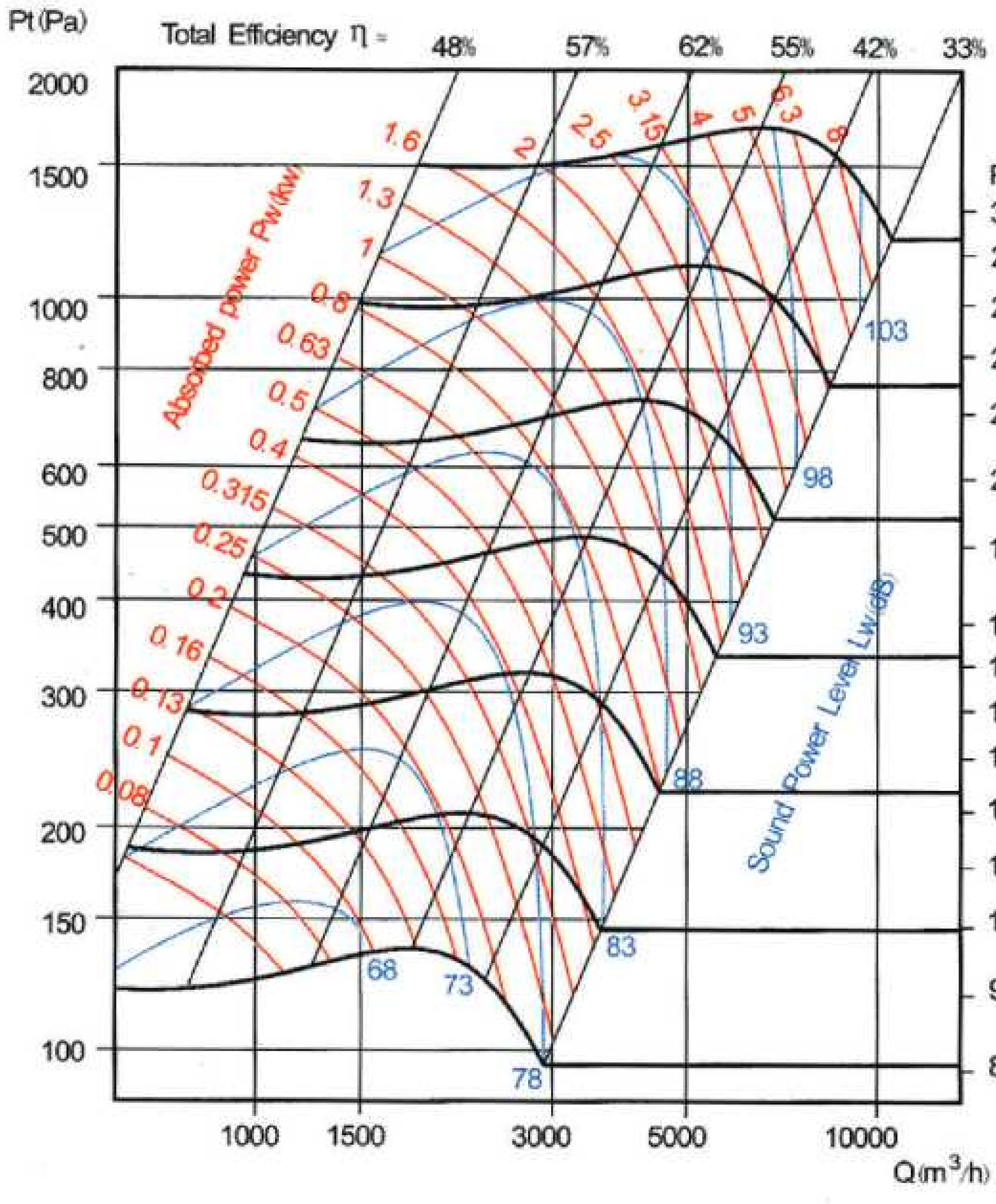
over 1 Okw : 12%



Centrifugal Doubles Inlet Fan

Performance Curve

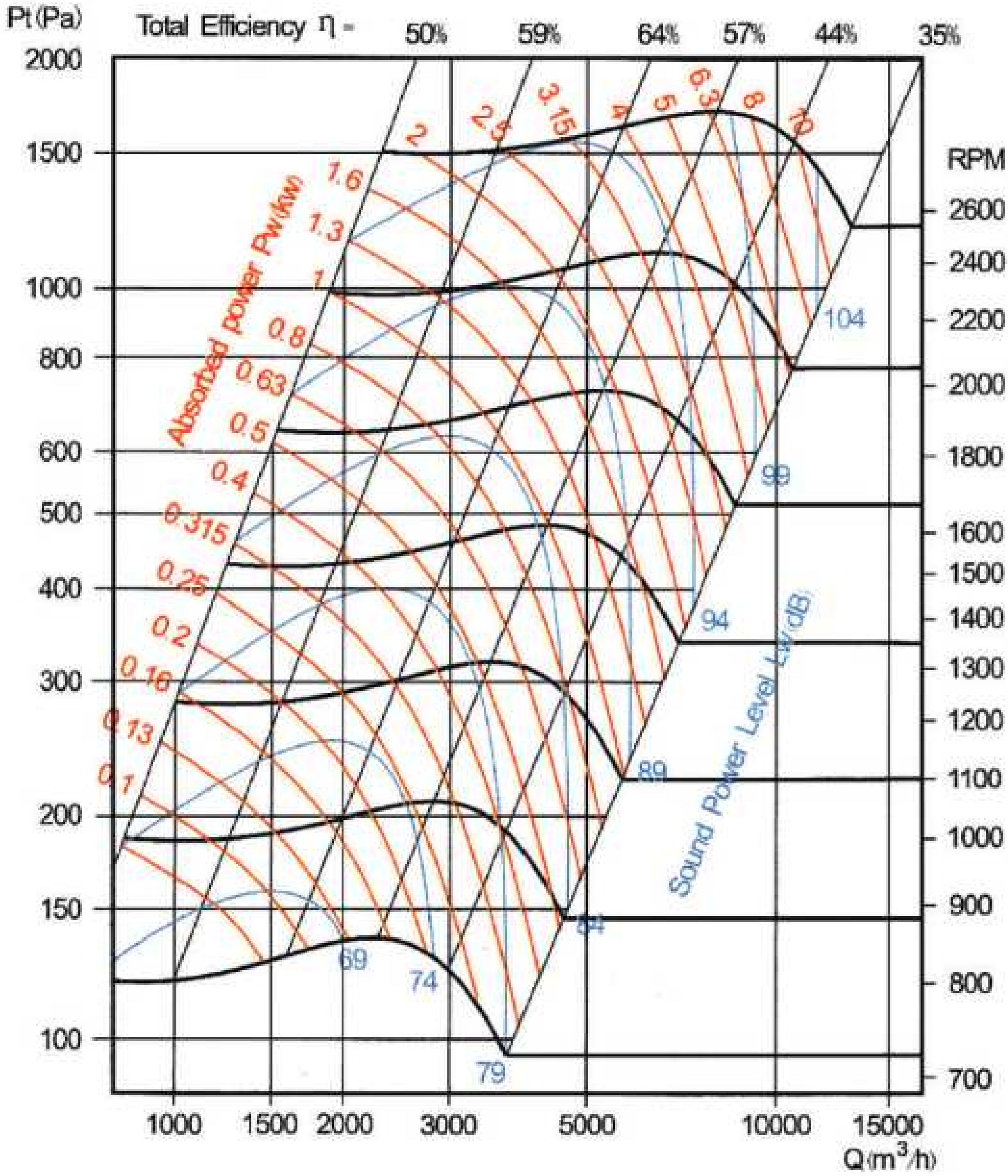
SDZ 225



Centrifugal Double Inlet Fan

Performance Curve

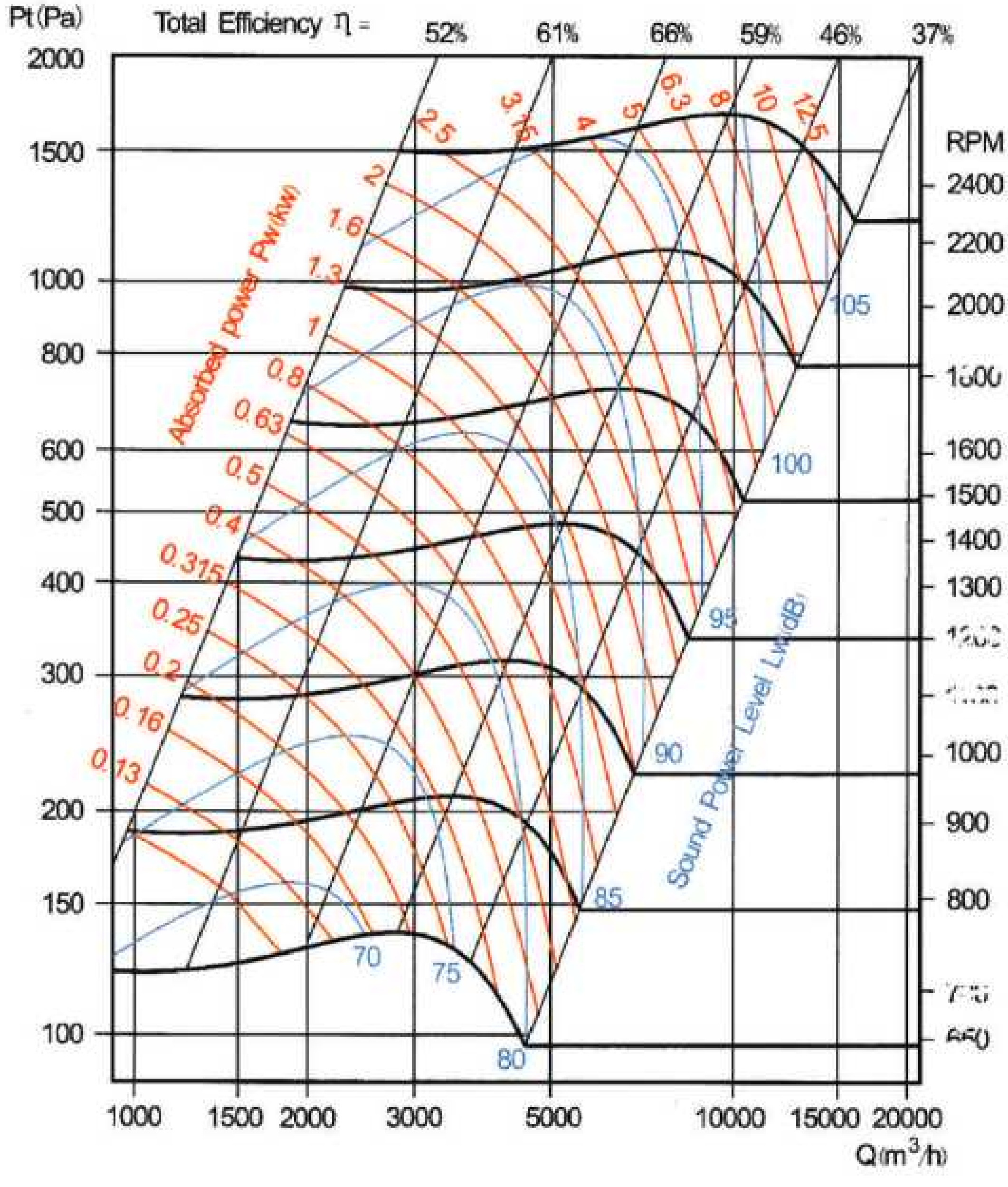
SDZ 250



Centrifugal Double Inlet Fan

Performance Curve

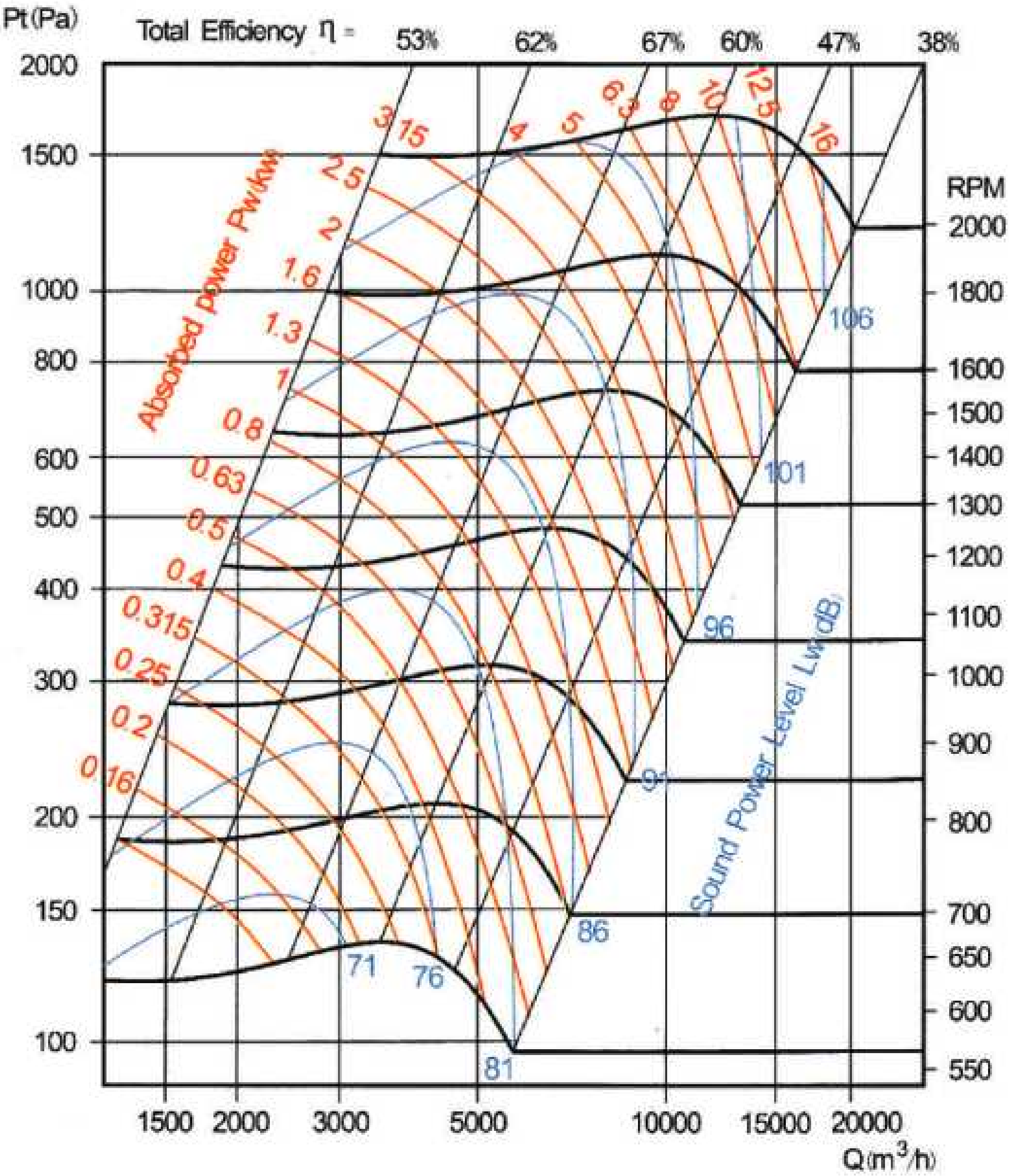
SDZ 280



Centrifugal Double Inlet Fan

Performance Curve

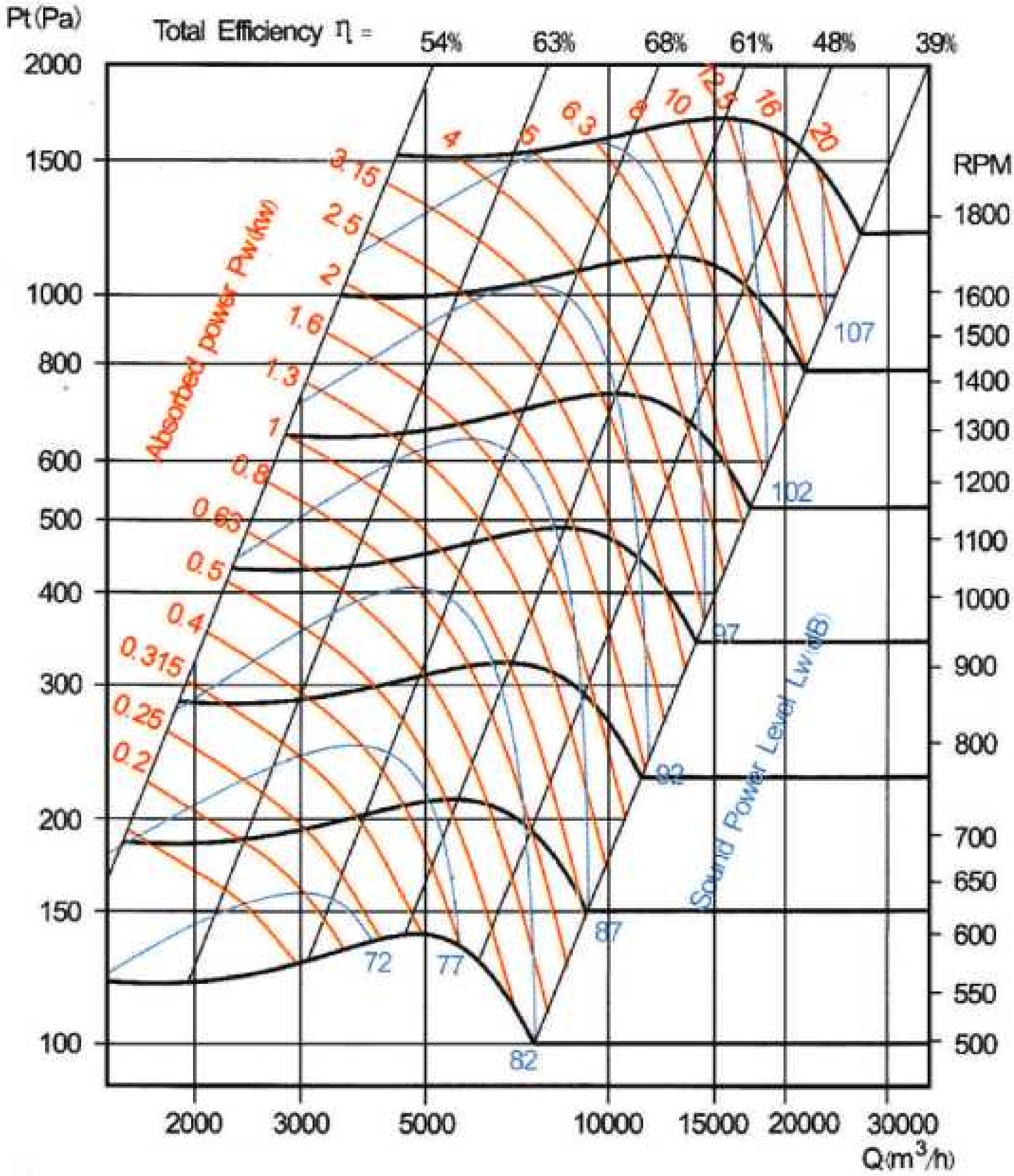
SDZ 315



Centrifugal Double Inlet Fan

Performance Curve

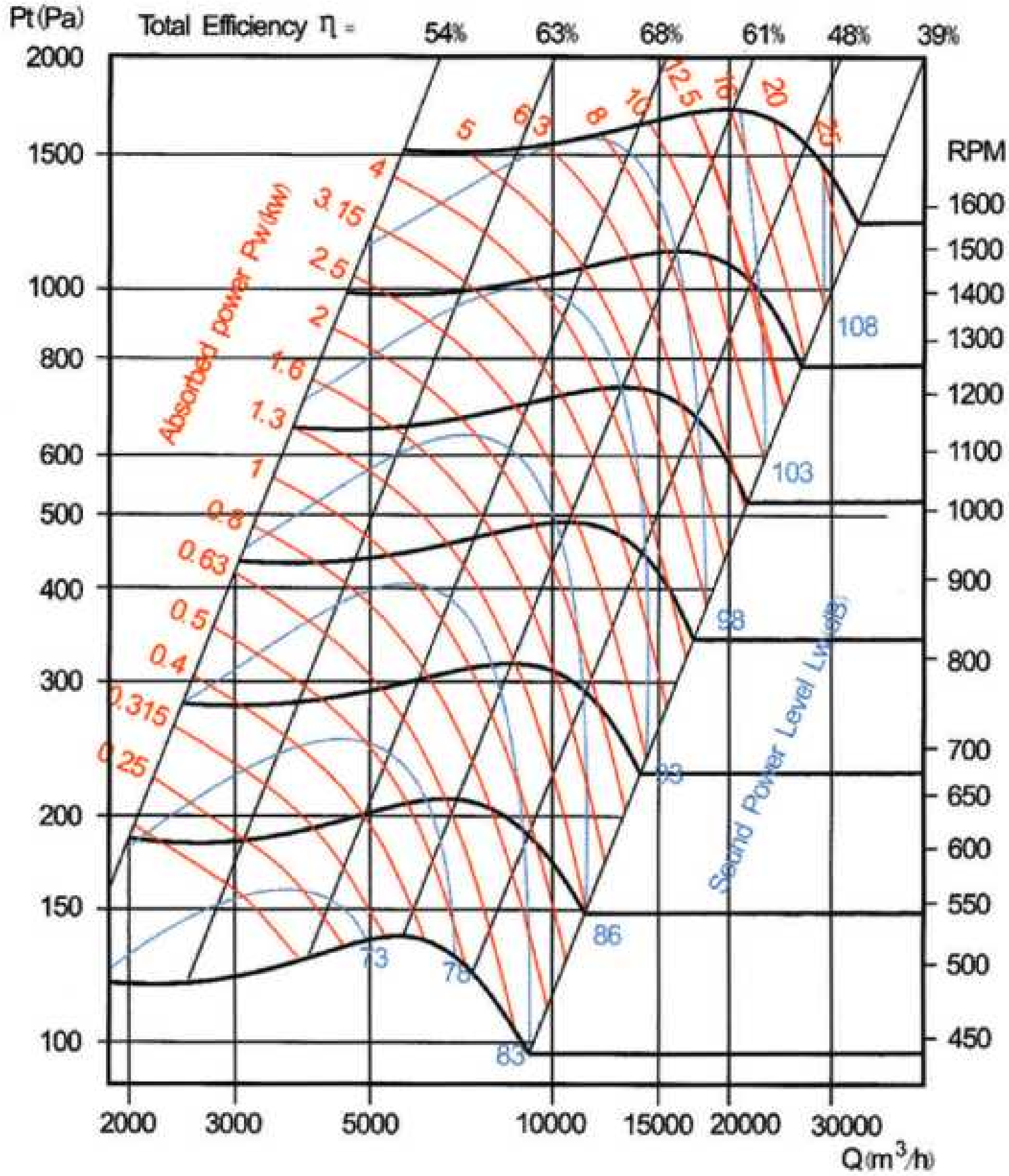
SDZ 355



Centrifugal Double Inlet Fan

Performance Curve

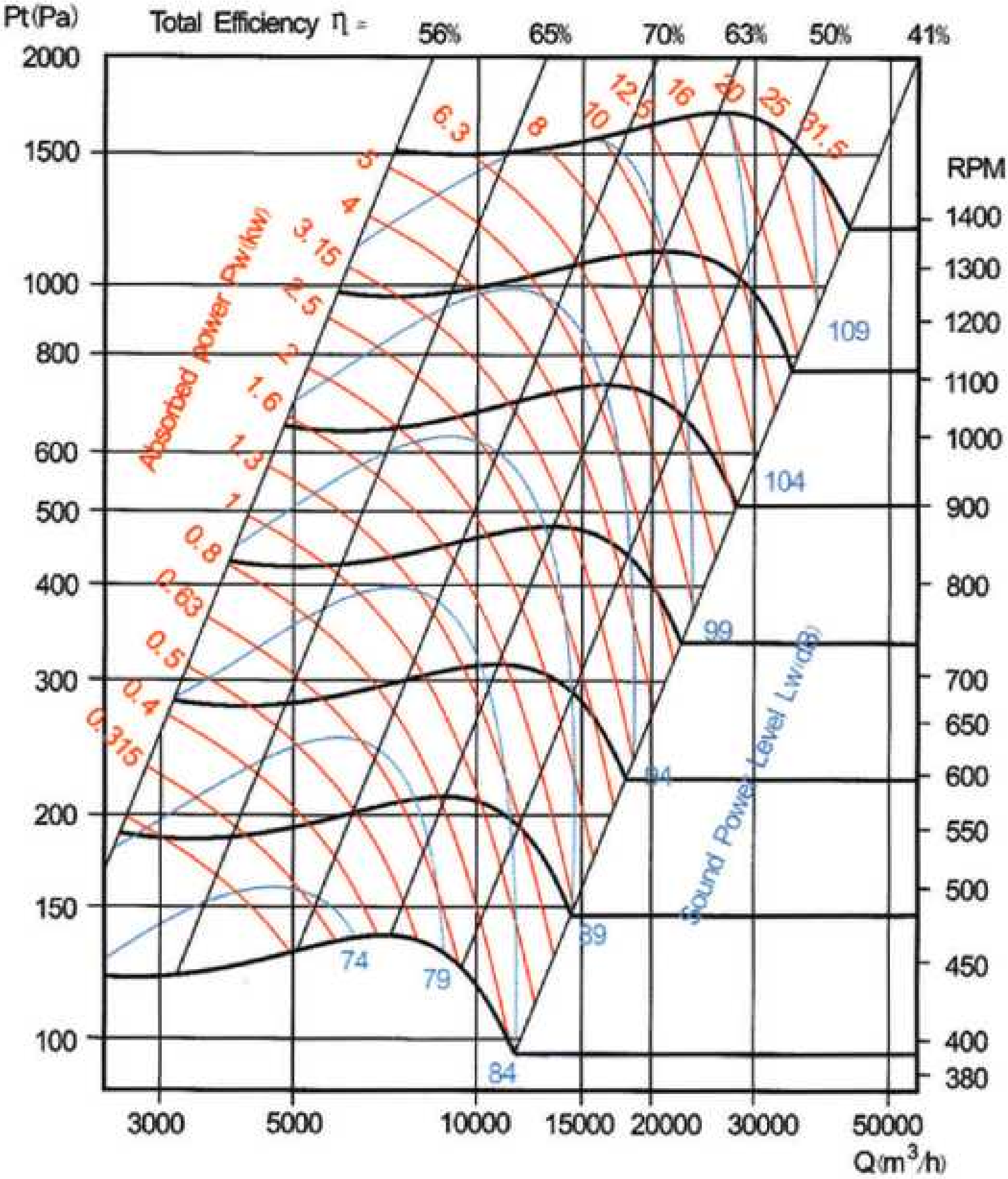
SDZ 400



Centrifugal Double Inlet Fan

Performance Curve

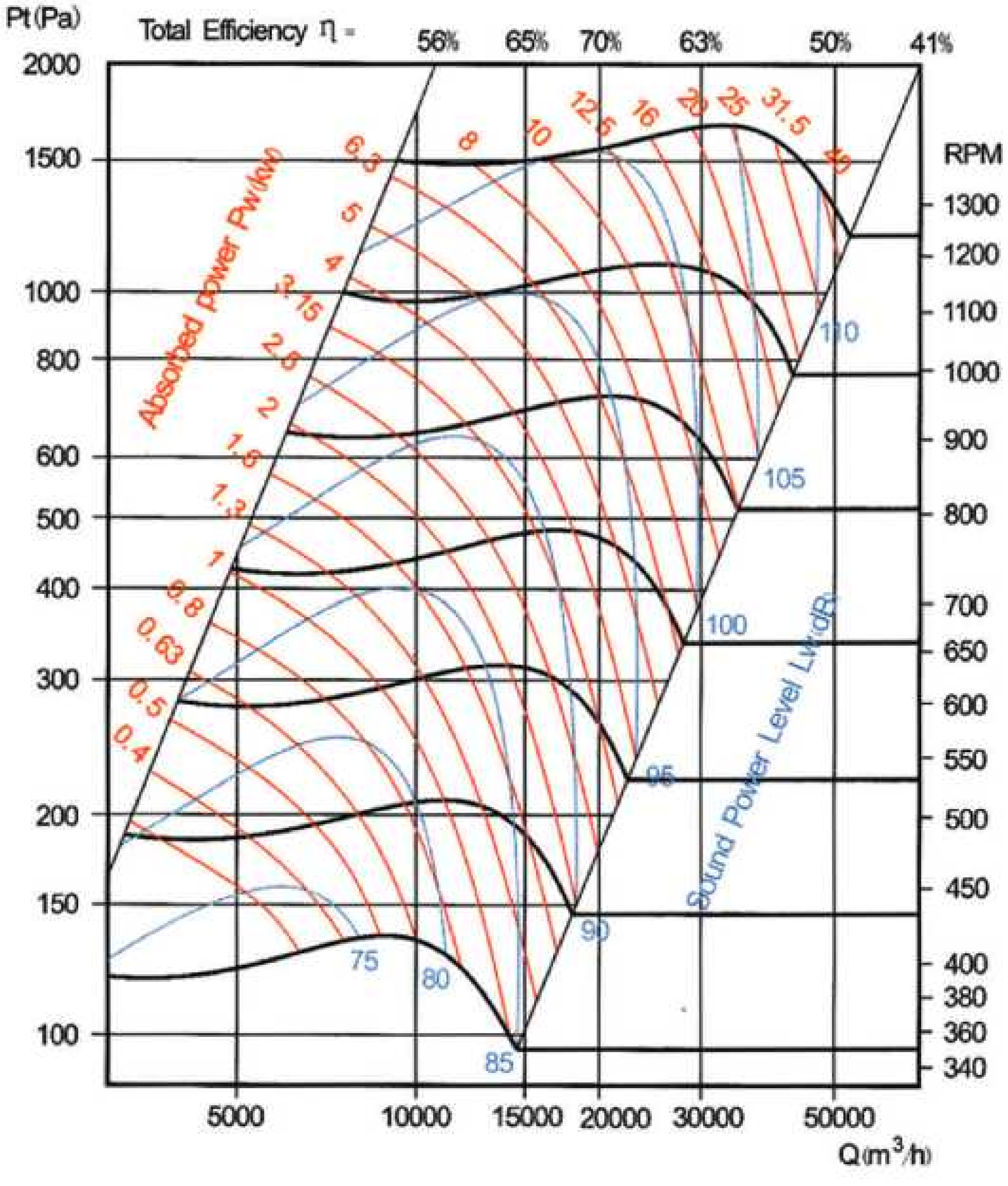
SDZ 450



Centrifugal Double Inlet Fan

Performance Curve

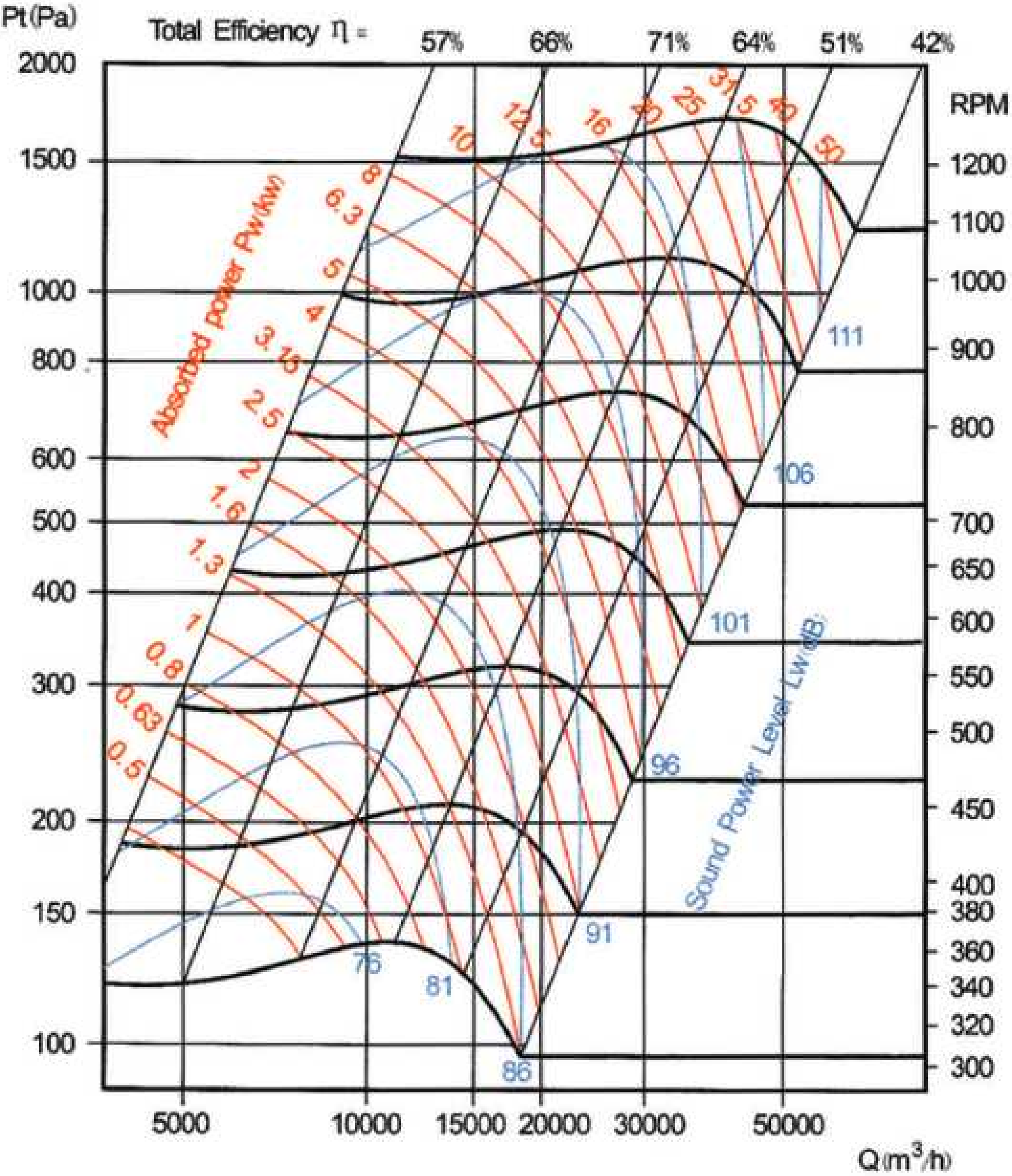
SDZ 500



Centrifugal Double Inlet Fan

Performance Curve

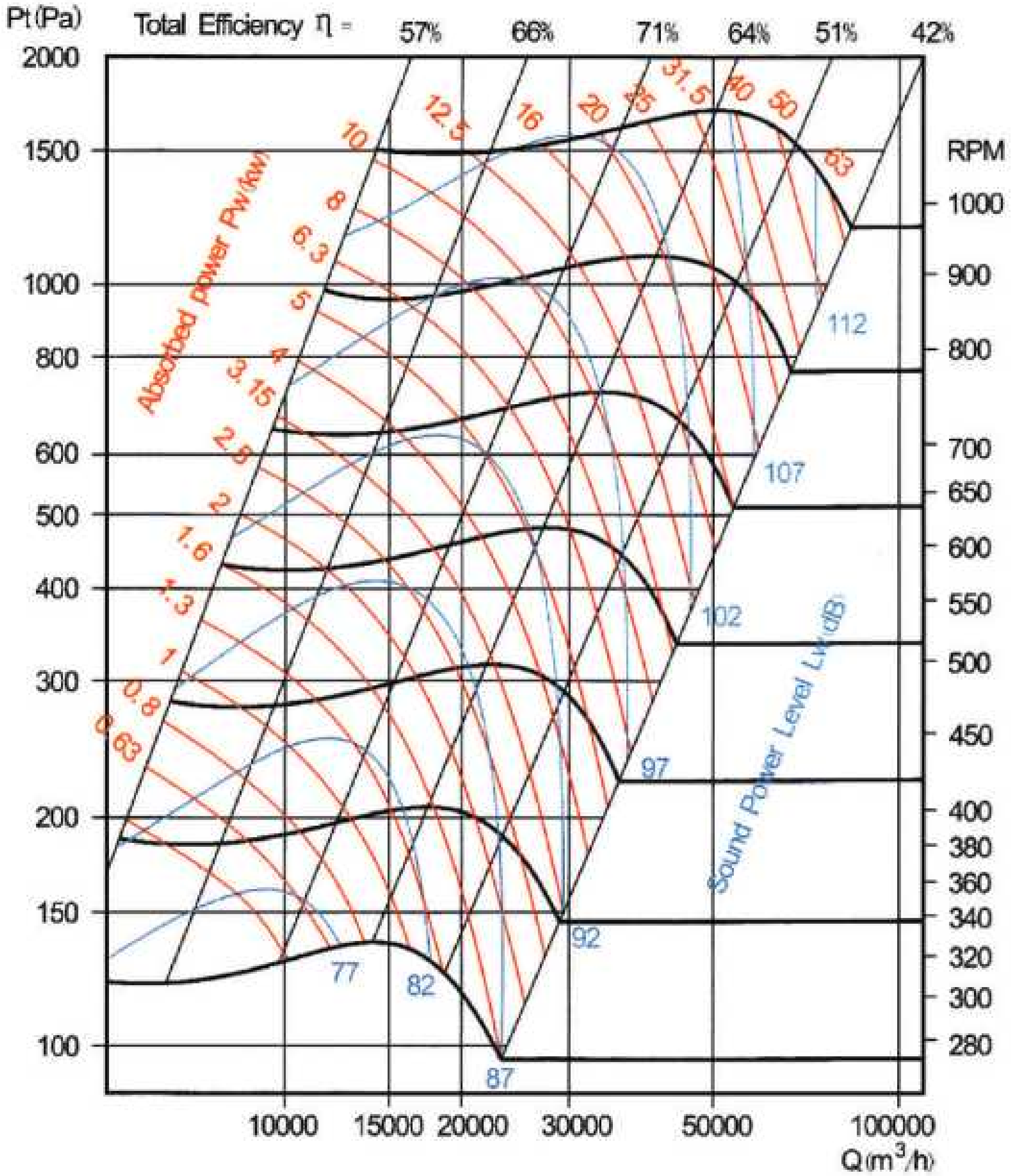
SDZ 560



Centrifugal Double Inlet Fan

Performance Curve

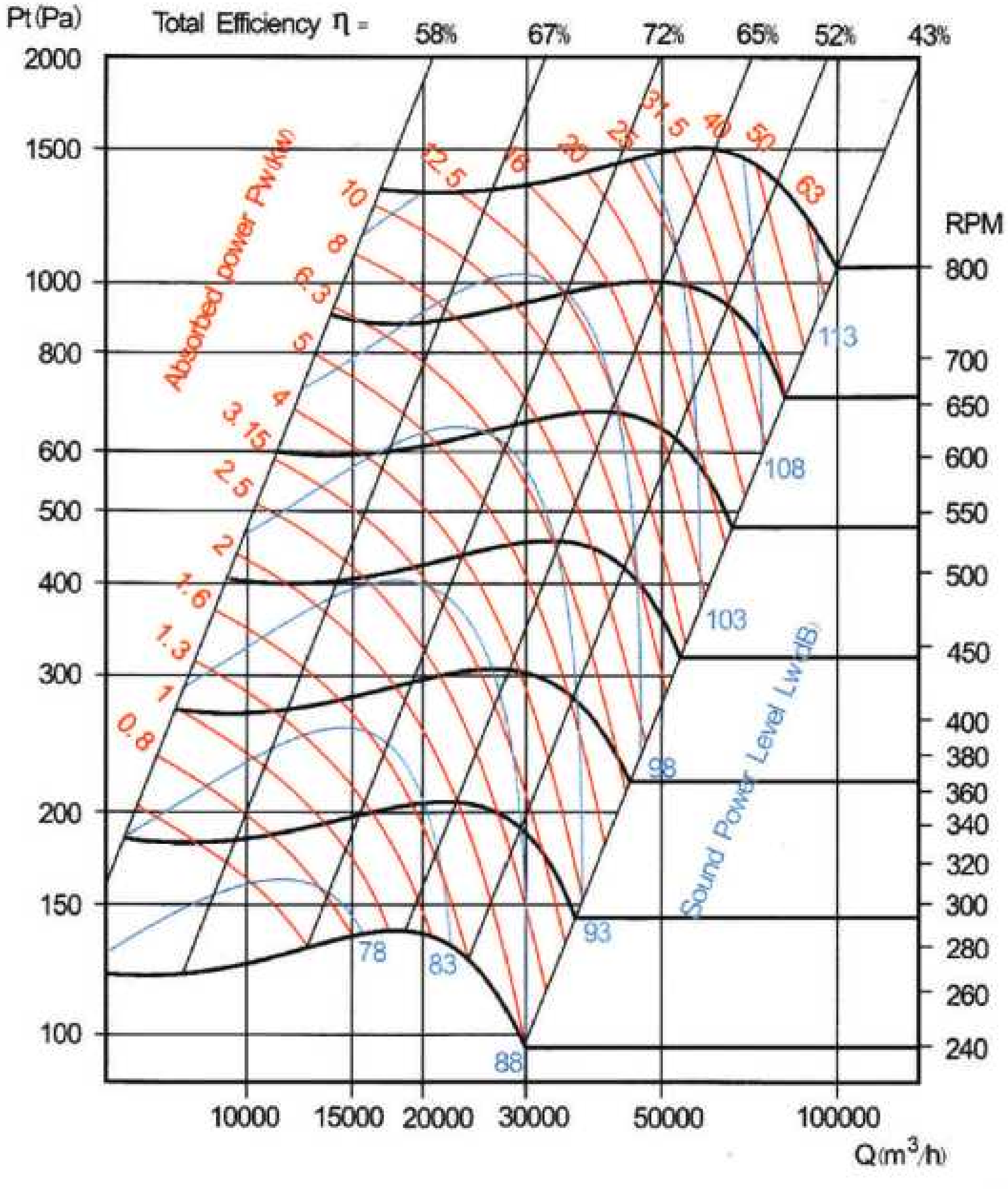
SDZ 630



Centrifugal Double Inlet Fan

Performance Curve

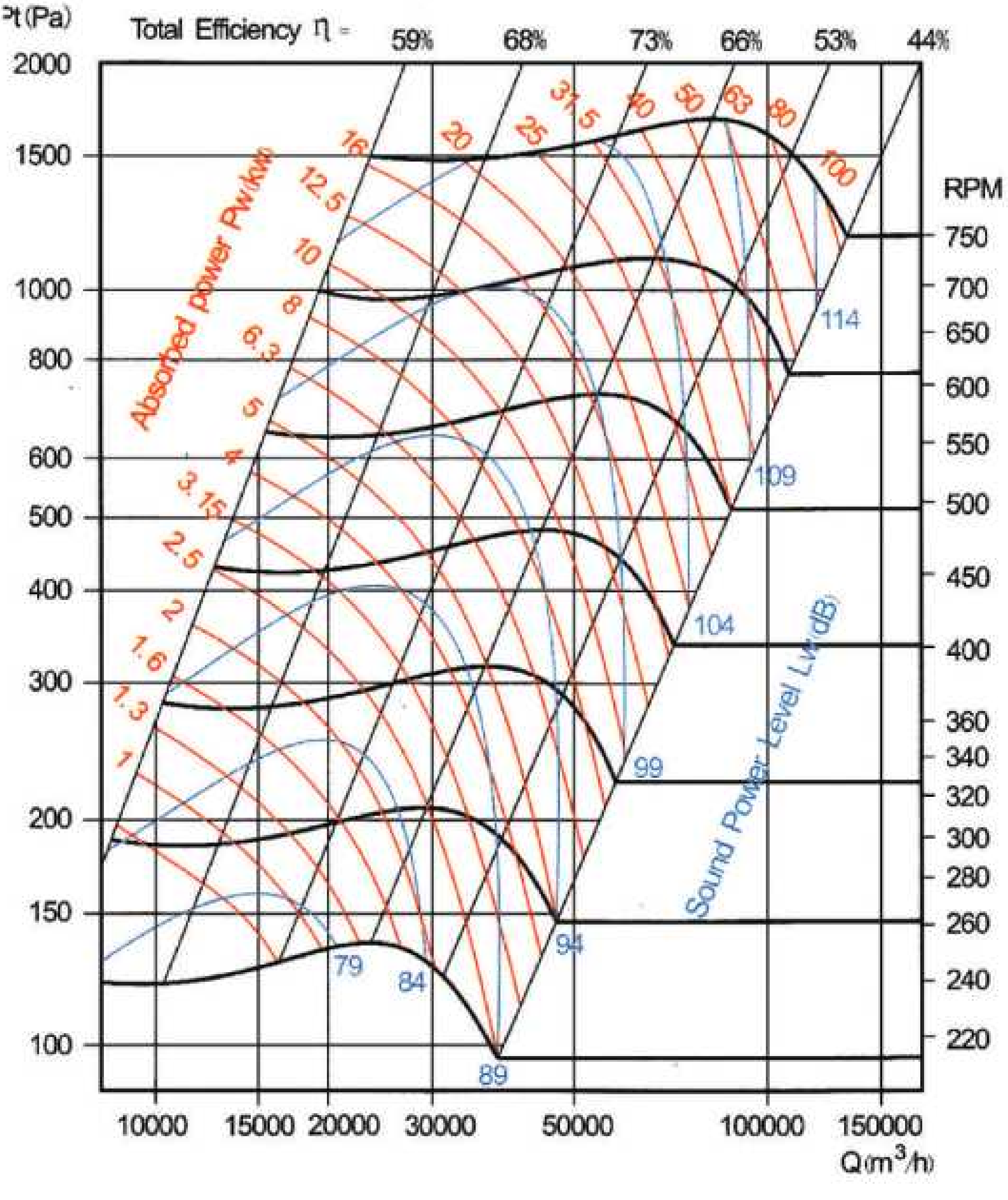
SDZ 710



Centrifugal Double Inlet Fan

Performance Curve

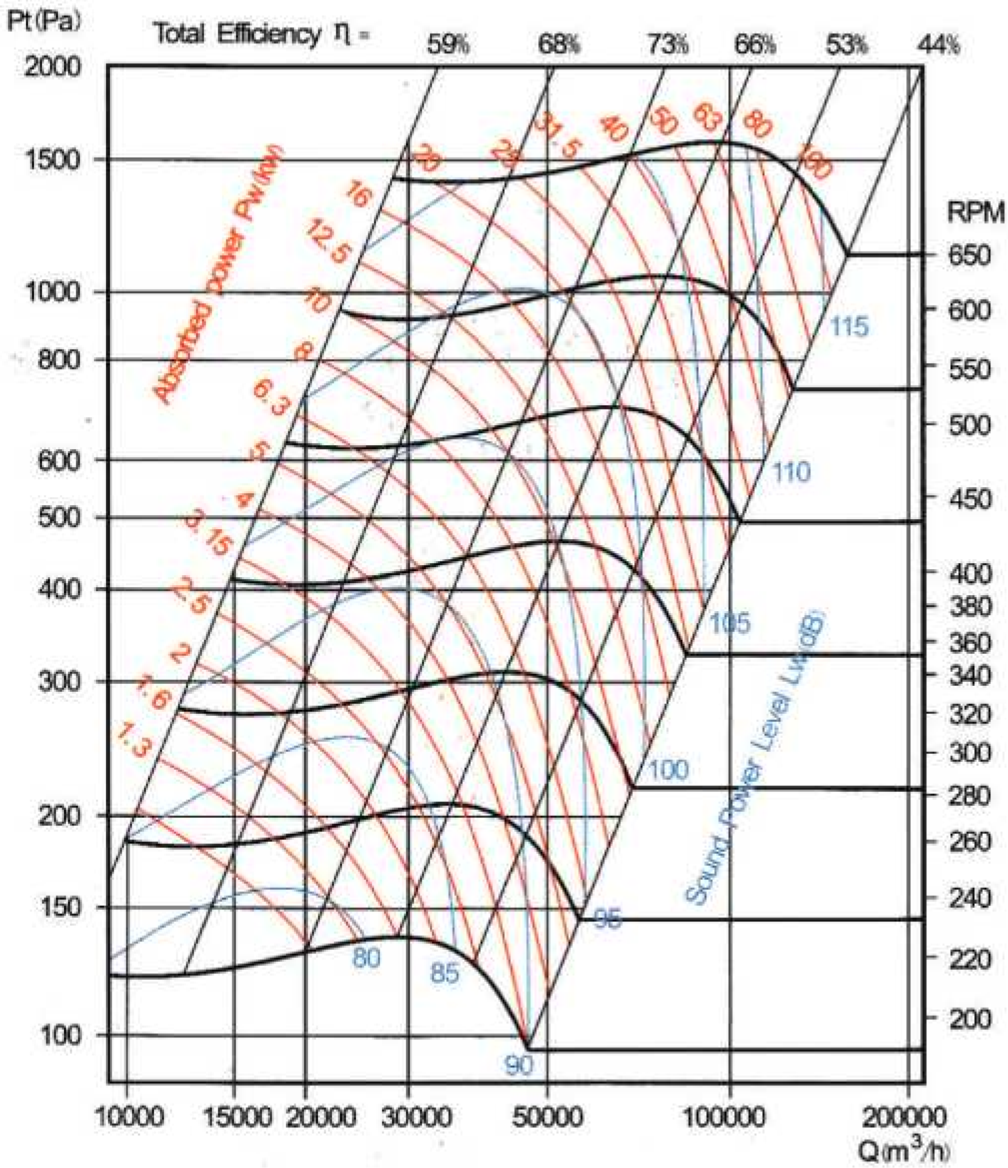
SDZ 800



Centrifugal Double Inlet Fan

Performance Curve

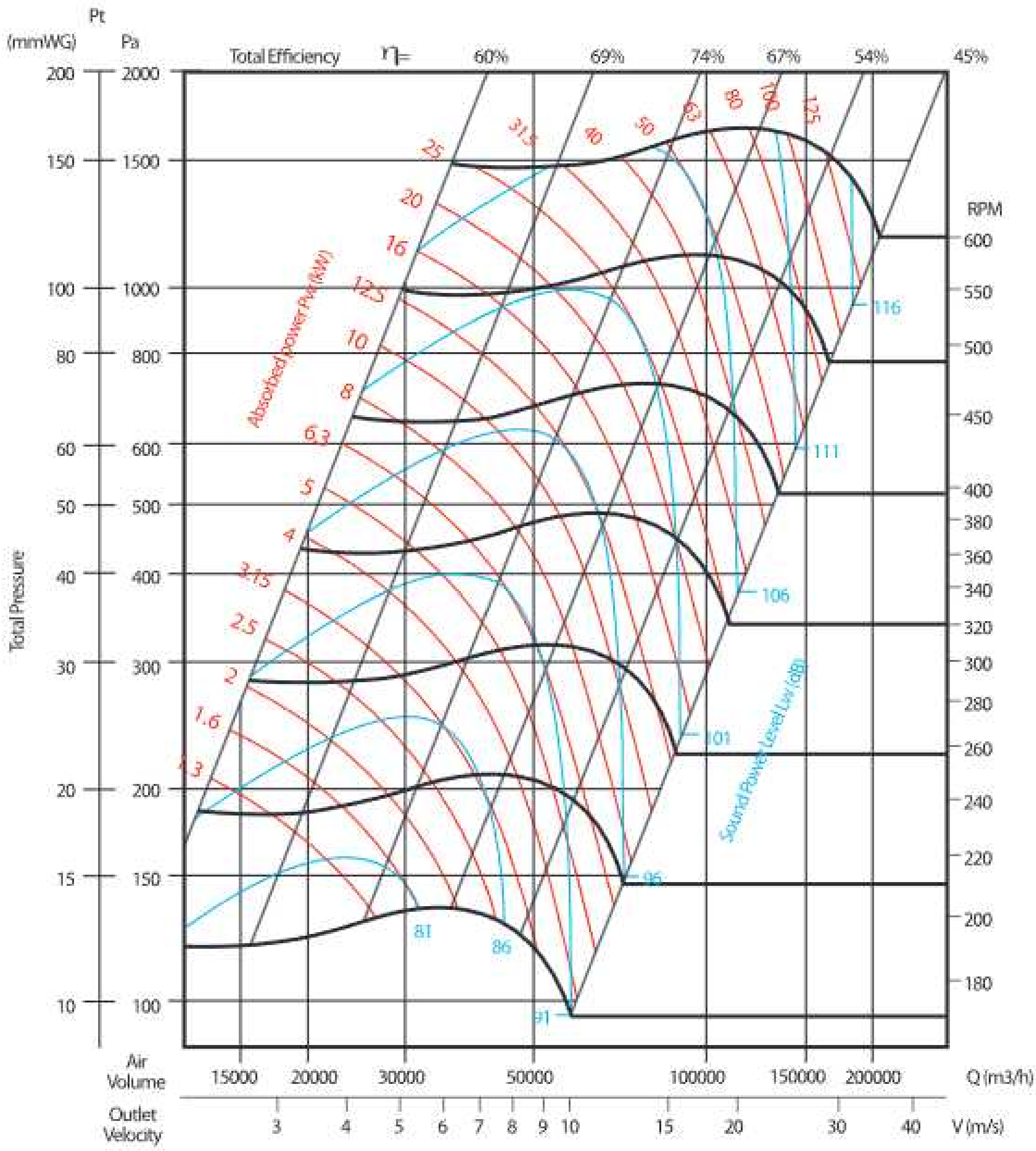
SDZ 900



Centrifugal Double Inlet Fan

Performance Curve

SDZ 1000



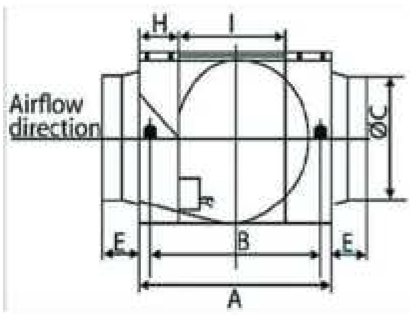
Low Noise Cabinet Fan

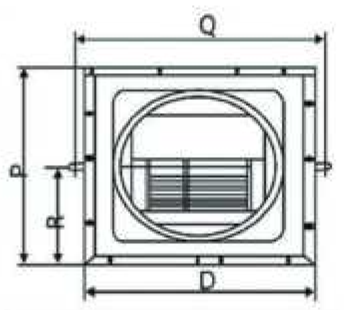
t for ventilation in houses, apartment, villas, offices, conference, rooms, shopping malls, hotels, restaurant and other public place. It can be efficiency used with connection to ducts for air supply and exhaust, perfectly keep the indoor air clean and freh. The unique in-line type inlet and outlet makes installation with ducts much more easier and more space -saving, and even extremely lower noise.

Specification

Model No.	Voltage (V-)	Power (watt)	Frequency (Hz)	Impeller Diameter (mm)	Rotating Speed (RPM)	Air Flow (m3/h)	Static Pressure (Pa)	Noise (dB)
DI-DPT10/12B	220	20	50	120	960	100	80	20
DI-DPT10/23B	220	37	50	120	1350	180	163	23
DI-DPT20/54C	220	55	50	200	1250	920	249	37
DI-DPT20/54B	220	125	50	180	1249	770	204	35
DI-DPT20/65B	220	157	50	230	1270	1200	348	41
DI-DPT25/76B	220	187	50	250	1040	1700	404	43
DI-DPT25/76C	220	275	50	250	1200	1900	440	46
DI-DPT25/86C	220	405	50	280	1370	2310	518	46
DI-DPT25/86B	380	535	50	280	1380	2600	536	46

Dimension of Parts





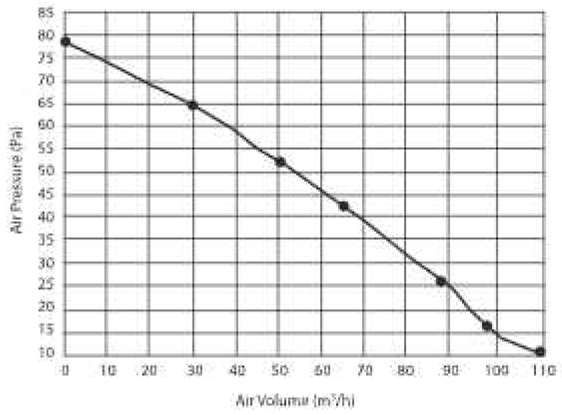
Model No.	A	B	C	D	E	H	I	R	P	Q	DUCT SIZE
DI-DPT10/12B	340	298	95	240	65	68	210	100	200	285	100
DI-DPT10/23B	340	298	95	240	65	68	210	100	200	285	100
DI-DPT20/54B	420	378	200	340	65	64	265	140	280	385	100
DI-DPT20/54C	490	448	200	370	65	58	304	160	320	415	100
DI-DPT20/65B	520	478	200	400	65	74	344	182,5	365	445	100
DI-DPT25/76B	590	548	250	400	75	74	364	190	380	445	100
DI-DPT25/76C	590	548	250	400	75	74	364	190	380	445	100
DI-DPT25/86C	660	618	250	480	75	107	375	210	420	525	100
DI-DPT25/86B	660	618	250	480	75	107	375	210	420	525	100

Any Changes Of Specification Without Further Notice

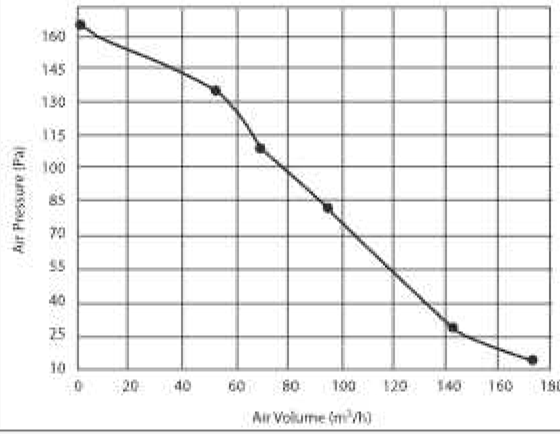
Low Noise *Cabinet Fan*

Performance Curve

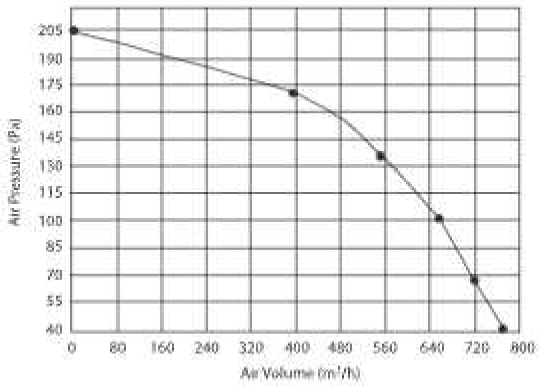
DPT-10-12B



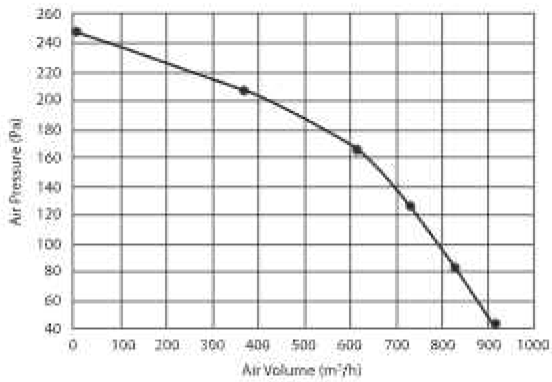
DPT-10-23 B



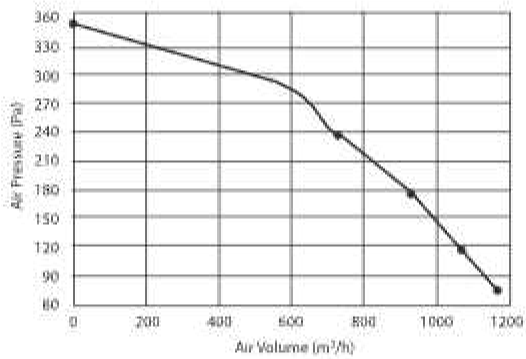
DPT-20-54B



DPT-20-54C

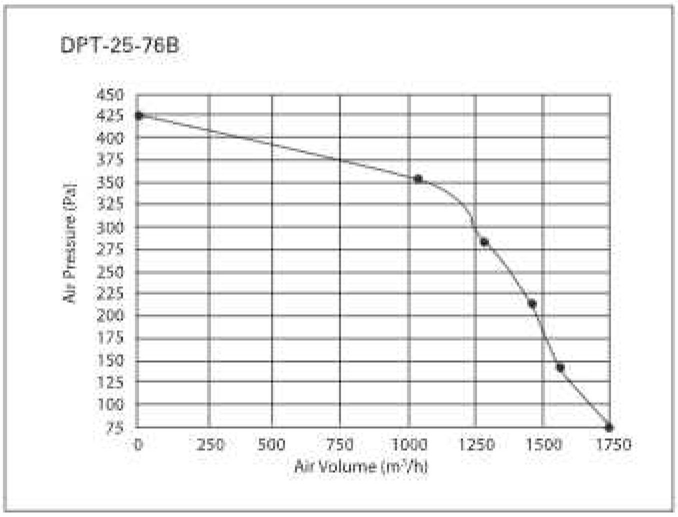


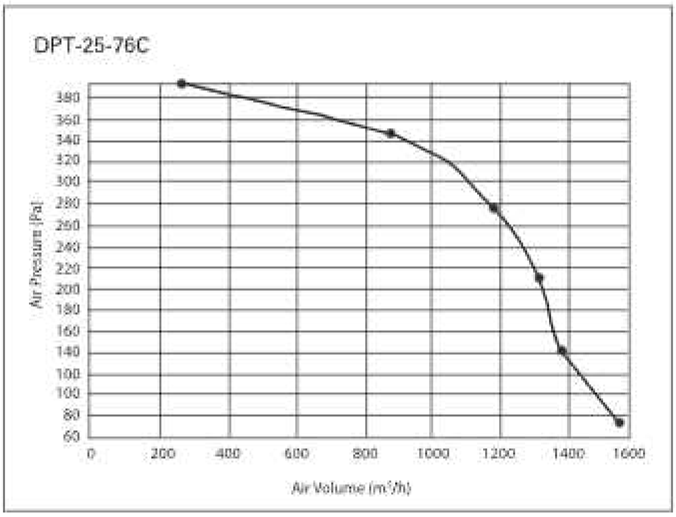
DPT-20-65B

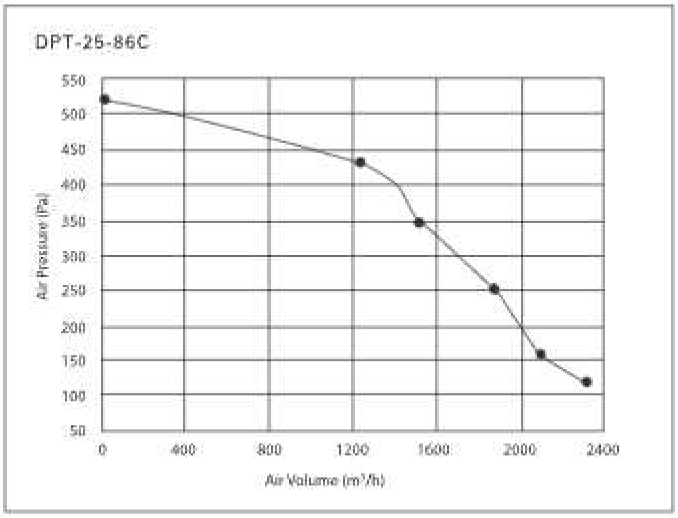


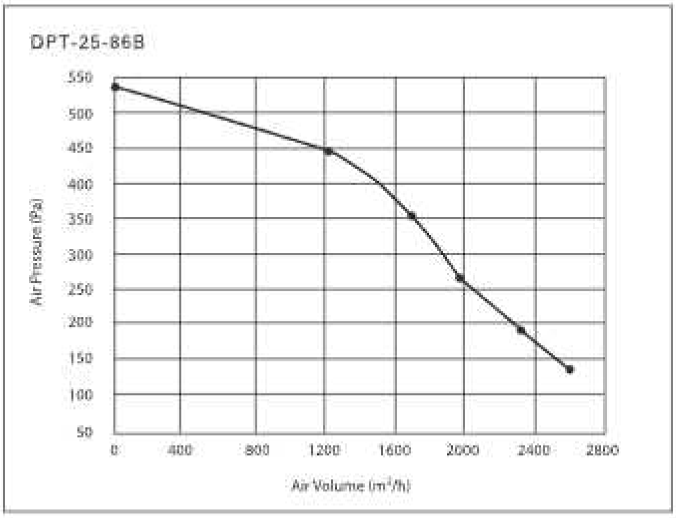
Low Noise Cabinet Fan

Performance Curve









BUILDING & INDUSTRIAL

PLATE WALL MOUNTED FLOW FAN

Exhaust Fan Standard

ESN - ESS

Specification

EXHAUST STANDARD NEST/ESN (DOUBLE SAFE GUARD)

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
ESN-D06/1 (APK15-3)	1400	270	25	220/50	35
ESN-D08/1 (APK 20-4)	1400	442	30	220/50	36
ESN-D10/1 (APK 25-5)	1400	685	40	220/50	43
ESN-D12/1 (APK 30-6)	1400	984	55	220/50	47
ESN-D14/1 (APK 35-7)	1400	1352	70	220/50	54
ESN-D16/1 (FA-40)	1400	2882	150	220/50	58
ESN-D16/3(FTA-40)	1400	2882	150	380/50	58
ESN-D18/1 (FA-45)	1400	3600	220	220/50	62
ESN-D18/3(FTA-45)	1400	3600	200	380/50	62
ESN-D20/1 (FA-50)	1400	5701	350	220/50	68
ESN-D20/3 (FTA-50)	1400	5701	300	380/50	68
ESN-D24/1 (FA-60)	1400	8704	650	220/50	72
ESN-D24/3 (FTA-60)	1400	8704	600	380/50	72
ESN-D30/1 (FA-75)	960	15907	1100	220/50	70
ESN-D30/3 (FTA-75)	960	15907	1100	380/50	70

EXHAUST STANDARD DBN

EXHAUST STANDARD SHUTTER

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
ESS-B08/1 (APB20-4B)	1400	442	30	220/50	36
ESS-B10/1 (APB25-5B)	1400	685	40	220/50	43
ESS-B12/1 (APB30-6B)	1400	984	55	220/50	47
ESS-B14/1 (APB35-6B)	1400	1352	70	220/50	54
ESS-B16/1 (FA-40B)	1400	2879	150	220/50	58
ESS-B16/3(FTA-40B)	1400	2879	150	380/50	58
ESS-B18/1 (FA-45B)	1400	3600	220	220/50	62
ESS-B18/3(FTA-40B)	1400	3600	220	380/50	62
ESS-B20/1 (FA-50B)	1400	5701	250	220/50	68
ESS-B20/3 (FTA-40B)	1400	5701	250	380/50	68

EXHAUST STANDARD SHUTTER

Motors

Single / Three Phase 230/400V 50Hz (or 400V 50Hz on some models).

IP44 protection, Class B.

Any Changes Of Specification Without Further Notice

Exhaust Fan Standard

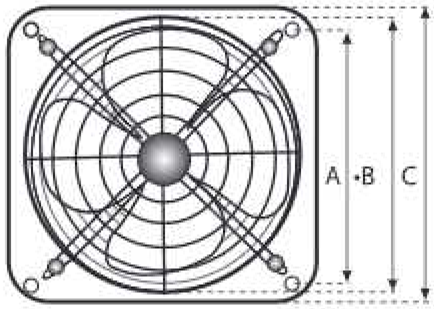
ESN - ESS

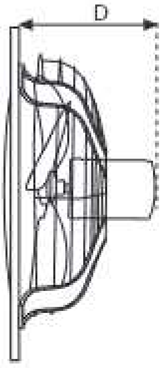
Dimension of Parts

EXHAUST STANDARD NEST/ESN (DOUBLE SAFE GUARD)

Model	A	OB	C	D
ESN-D06/1 (APK15-3)	150	155	190	135
ESN-D08/1 (APK 20-4)	200	210	230	140
ESN-D10/1 (APK 25-5)	**245**	260	290	150
ESN-D12/1 (APK 30-6)	310	320	340	148
ESN-D14/1 (APK 35-7)	350	360	415	190
ESN-D16/1 (FA^O)	**420**	430	500	235
ESN-D 18/1 (FA-45)	**445**	450	530	235
ESN-D20/1 (FA-50)	525	530	600	235
ESN-D24/1 (FA-60)	625	640	700	298
ESN-D30/1 (FA-75)	710	780	900	300

Dimension Diagram
Exhaust Standard DBN



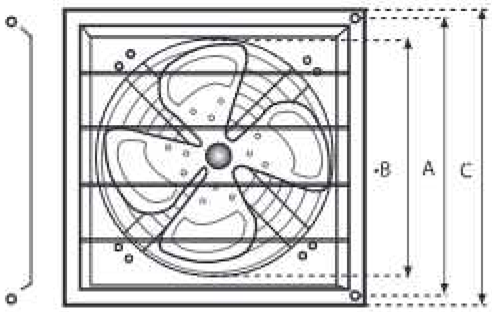


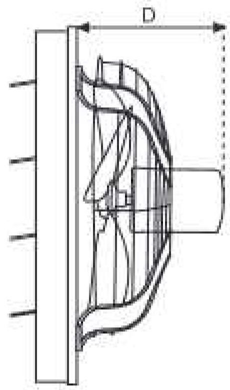
EXHAUST STANDARD SHUTTER

Model	A	OB	C	D
ESS-B08/1 (APB20-4B)	260	220	290	198,5
ESS-B10/1 (APB25-5B)	300	270	330	204
ESS-B12/1 (APB30-6B)	375	320	400	200
ESS-B14/1 (APB35-6B)	400	370	445	300
ESS-B16/1 (FA-40B)	460	420	485	318
ESS-B18/1 (FA-45B)	500	476	550	309
ESS-B20/1 (FA-50B)	560	525	600	309
ESS-B20/3 (FTA-40B)	560	525	600	309

Dimension : mm

Dimension Diagram
Exhaust Standard Shutter



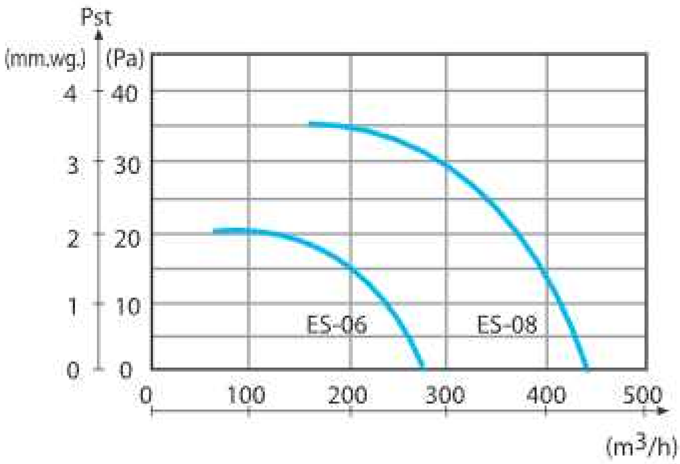


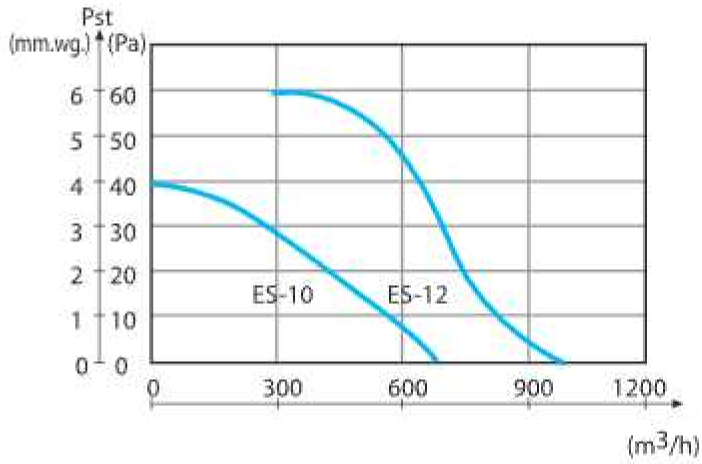
Any Changes Of Specification Without Further Notice

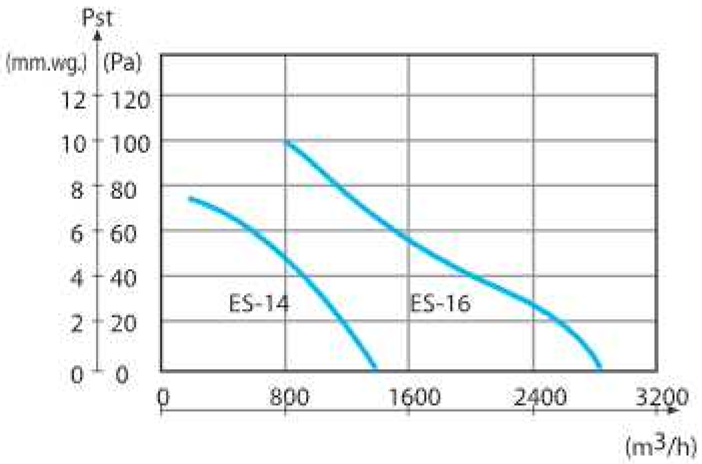
Exhaust Fan Standard

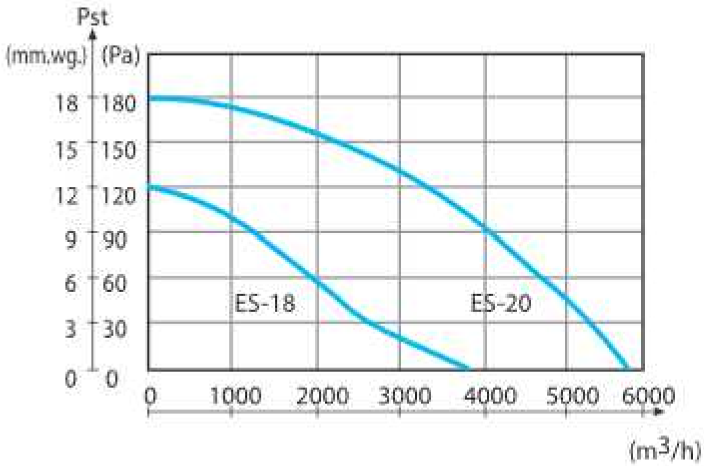
ESN - ESS

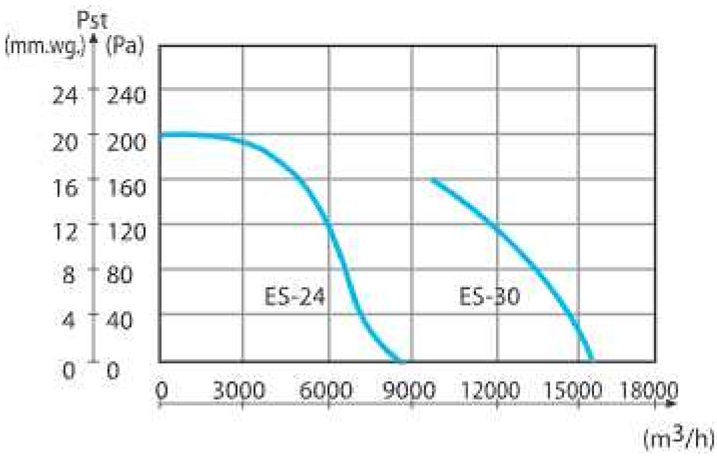
Performance Curve











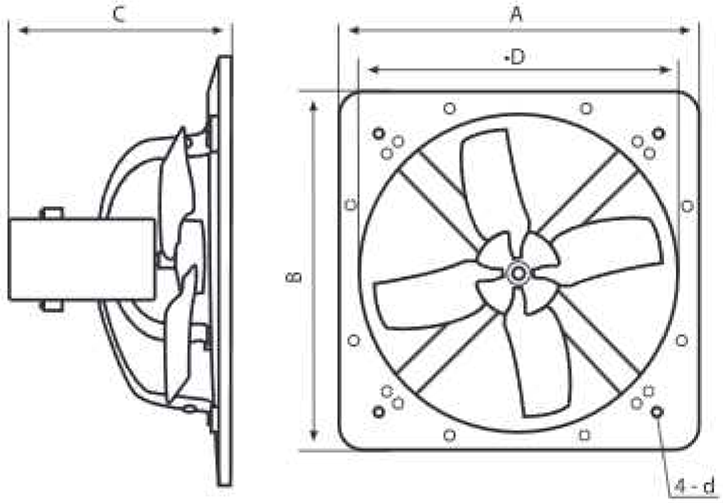
Exhaust Fan Flame Proof

EFFP / EFE

Special design of motor allows this type of exhaust to be use in applications where high explosive gas or chemical are present, such as extraction and refinement of petrolium, making of various kinds of benzene,alcohol and medicine, lacquering, textile industry, drying, food processing, rubber producing, hydrogen sulphide, cake-oven gas, hydrogen cyanide, carbon monoxide, diesel oil, coal oil, fuel oil, solvent petroleum and many other factory, workshop, warehouses for ventilating related purposes.

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
EFFP-16/1	1350	2880	150	220/50	65
EFFP-16/3	1350	2880	130	380/50	65
EFFP-20/1	1350	5700	350	220/50	70
EFFP-20/3	1350	5700	300	380/50	70
EFFP-24/1	1350	8700	650	220/50	76
EFFP-24/3	1350	8700	600	380/50	76



Dimension of Parts

Model	A	B	C	OD	d
EFFP-16/1	479	479	308	440	12
EFFP-20/1	600	600	340	540	15
EFFP-24/1	700	700	386	650	18

Dimension : mm

*EFFE = Our code principle

Motors

Flameproof motors of type :

* Three Phase 230/400V 50Hz, available in 4 poles.

* Single Phase 230V 50Hz, available in 4 poles.

* IP44 protection.

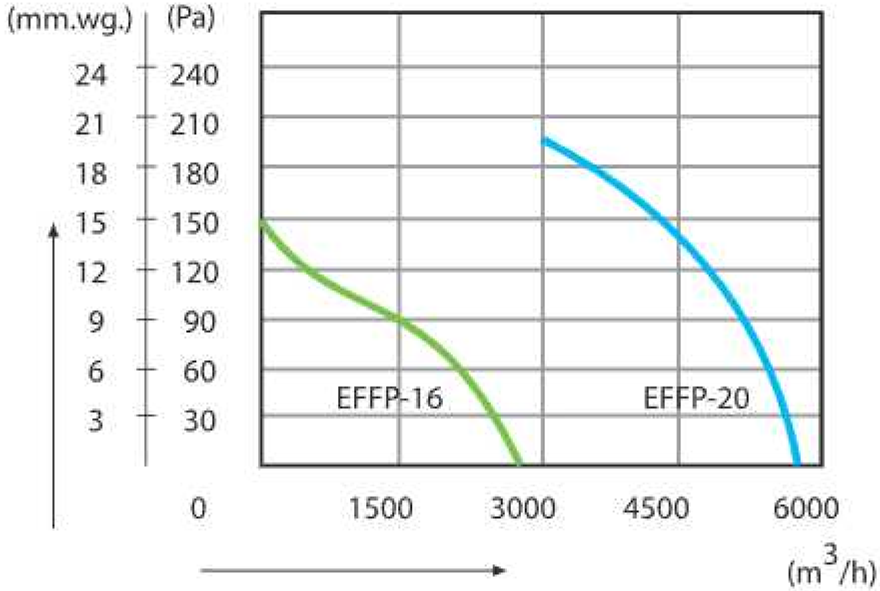
* Class B insulation systems.

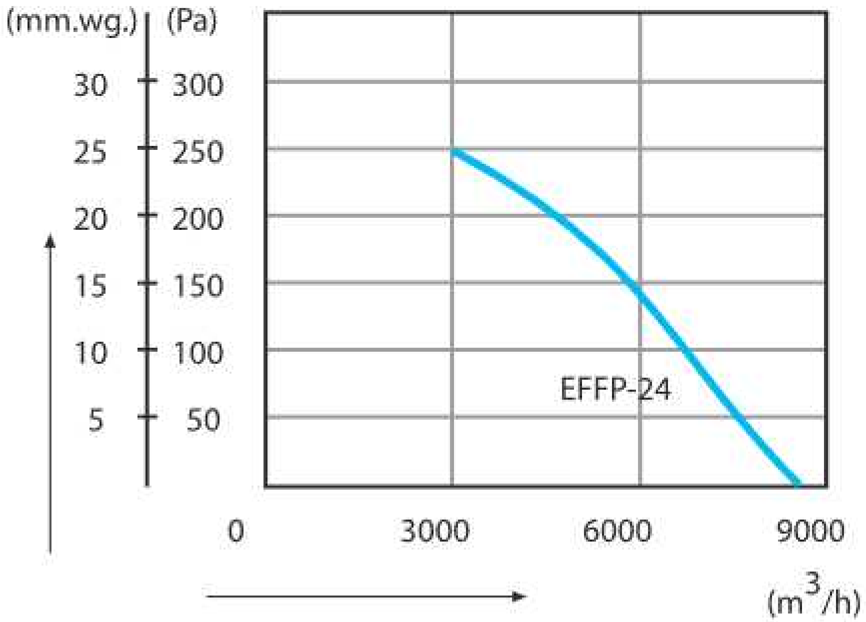
* All motors are supplied with a wiring cable gland in accordance to the standards required for the type of motor used.

Exhaust Fan Flame Proof

EFFP / EFE

Performance Curve





High Pressure Cooling Exhaust Fan

EFC

- High Pressure Cooling Fan
- Complete with electro motor
- Fan Body by powder coating

CKE Wall Mounted Fans feature the combination of an internal rotor motor with factory matched direct drive impeller. Suitable for use within a wide range of residential, commercial and industrial ventilation apllications.

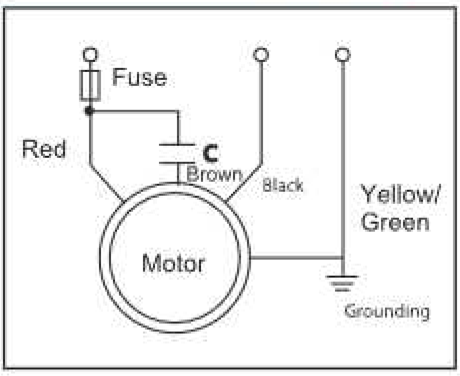
Front Side

Rear Side

Specification

Mode	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
EFC 12/300 (FTAC-30)	1400	1950	150	220/50	51
EFC 14/350 (FAC2-35)	1400	2400	150	220/50	53
EFC 14/350 (FTAC2-30)	1400	2400	150	380/50	53
EFC 16/400 (FAC2-40)	1400	3602	250	220/50	57
EFC 16/400 (FTAC2-40)	1400	3602	250	380/50	57
EFC 18/450 (FAC2-45)	1400	5102	350	220/50	61
EFC 18/450 (FTAC2-45)	1400	5102	350	380/50	61
EFC 20/500 (FAC2-50)	1400	8704	550	220/50	67
EFC 20/500 (FTAC2-50)	1400	8704	550	380/50	67
EFC 24/600 (FAC2-60)	1400	13805	800	220/50	72
EFC 24/600 (FTAC2-60)	1400	13805	750	380/50	72
EFC 30/750 (FTAC2-75)	950	16208	1500	380/50	65
EFC 36/900 (FTAC2-90)	950	27613	2200	380/50	71

Wiring Diagram



Motor

Single / Three Phase (IP44 class B insulation). Working temperature +40 C to +70° C.

Usage

- PLN Box Panel
- Enggineering Room, Electrician Panel, Travo.
- Genset, Factory,
- shops, offices, cafes, bars, warehouse, garages.

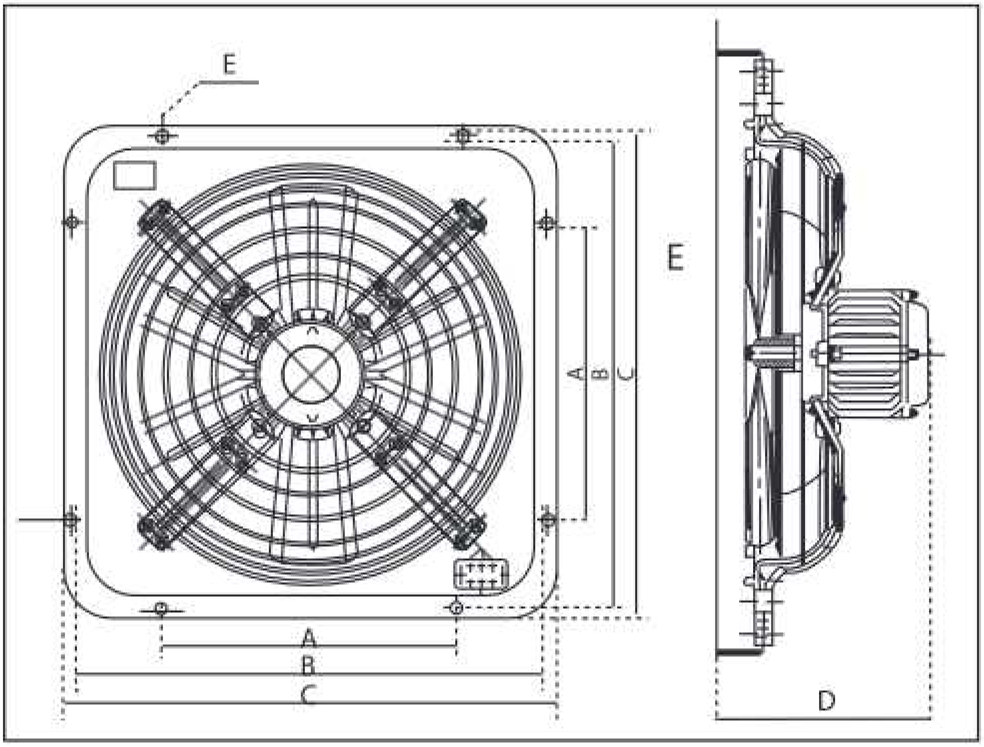
The Range

Air volume performance ranges from 1950 to 27613 CMH.

High Pressure Cooling Exhaust Fan

FEC

Dimension of Parts



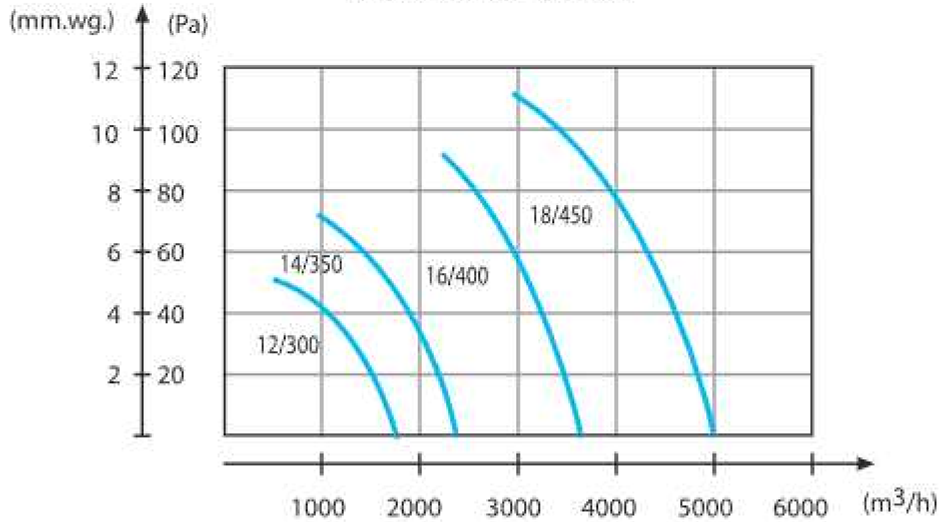
Model	A	B	C	D	E
EFC12/300	220	390	410	260	6X10
EFC 14/350	264	447	460	270	6X10
EFC 16/400	318	493	510	280	8X14
EFC 18/450	368	543	560	290	8x14
EFC 20/500	420	594	610	300	8x14
EFC 24/600	520	695	710	480	8x14
EFC 30/750	450	860	894	510	12
EFC 36/900	500	1006	1040	510	12

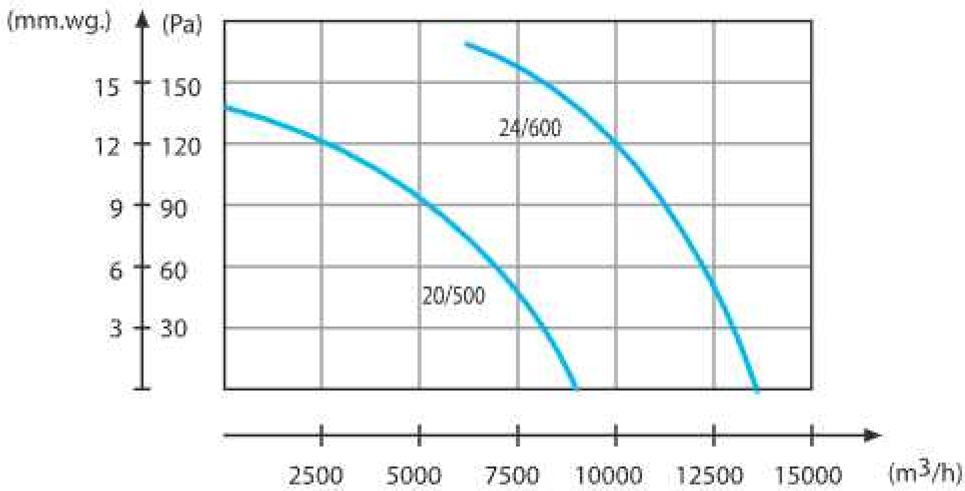
Dimension : mm

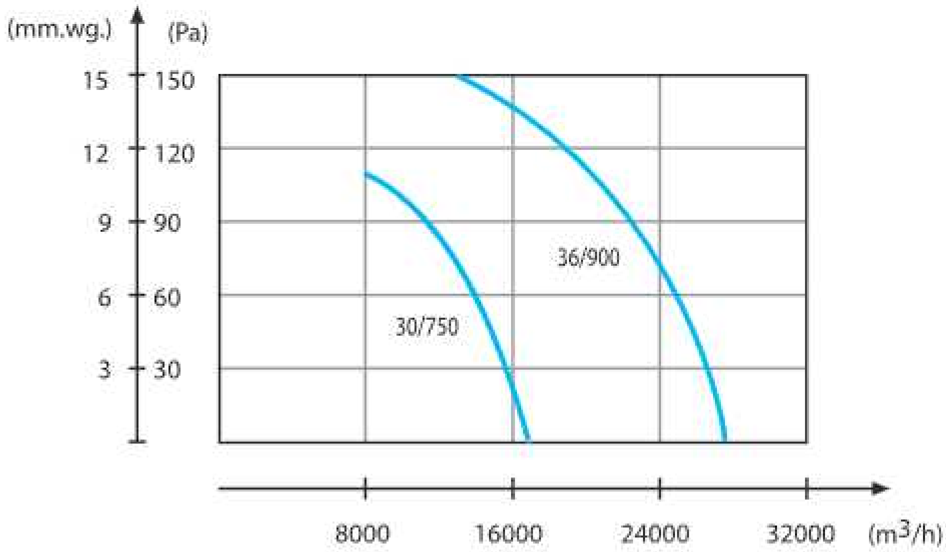
High Pressure Cooling Exhaust Fan

EFC

Performance Curve







Exhaust Fan Extra Low Noise

FAC

This Type of exhaust and is suitable for air circulation in factory, workshop, warehouse, hospital, laboratory and public place. They can be installed on the wall or in the pipeline.

The exhaust and drum fan have the advantages of high air volume, power economy, extra low-noise and stability operation. All exhaust and drum fan have been tested under many different harsh condition to ensure the product performance and quality.

Specification

MODEL	BLADE DIA. (inch)	CAPACITY (m3/h)	VOLT (V)	POWER (W)	SPD (RPM)
FAC 4-30	300	1680	220	70	1400
FAC 4-40	400	3900	220	200	1400
FAC 4-45	450	5400	220	350	1400
FAC 4-50	500	7320	220	550	1400
FAC 4-60	600	7320	220	300	960
FTAC 4-60	600	7200	380	300	960

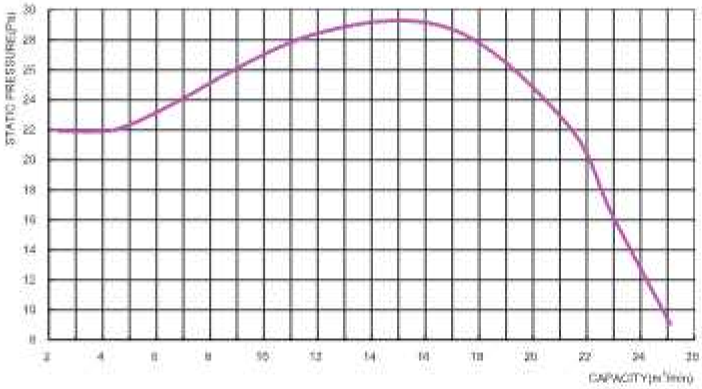
Low Noise Blade Design

Exhaust Fan Extra Low Noise

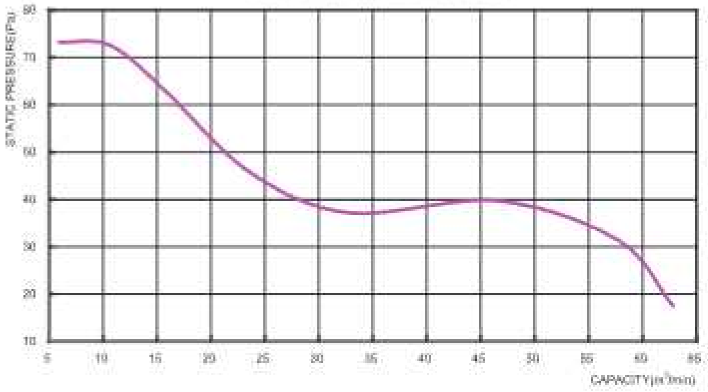
FAC

Performance Curve

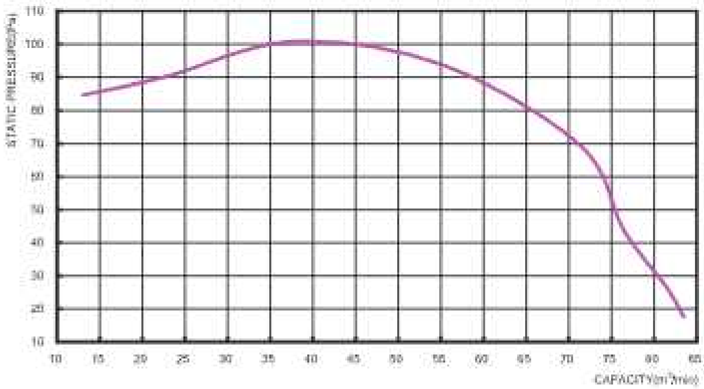
FAC4-30 Performance Curve



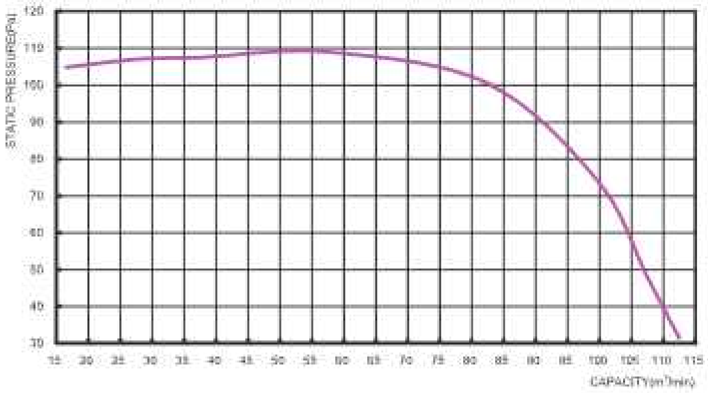
FAC4-40 Performance Curve



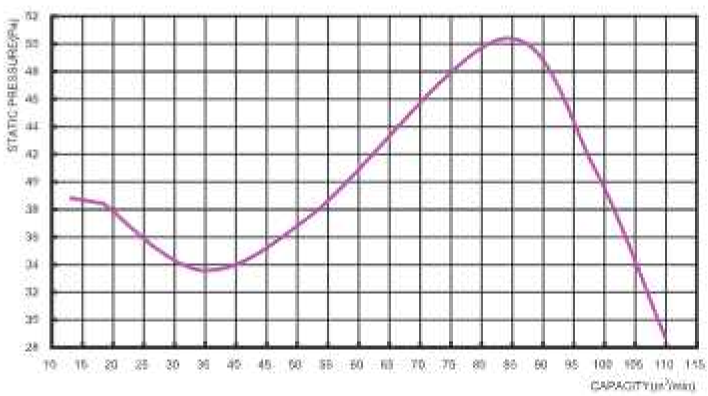
FAC4-45 Performance Curve



FAC4-50 Performance Curve



FAC4-60L Performance Curve



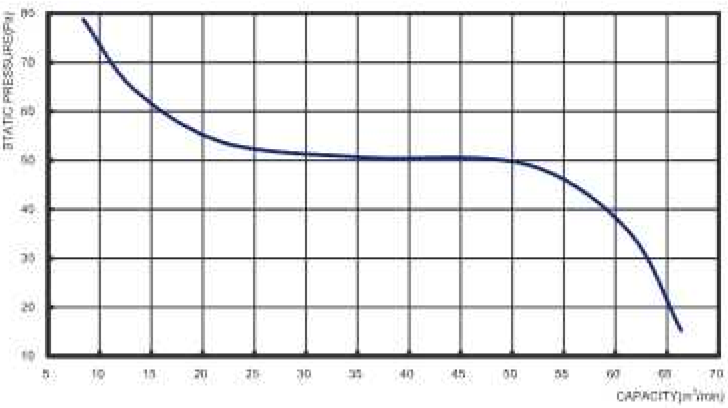
FTAC4-30 Performance Curve

Exhaust Fan Extra Low Noise

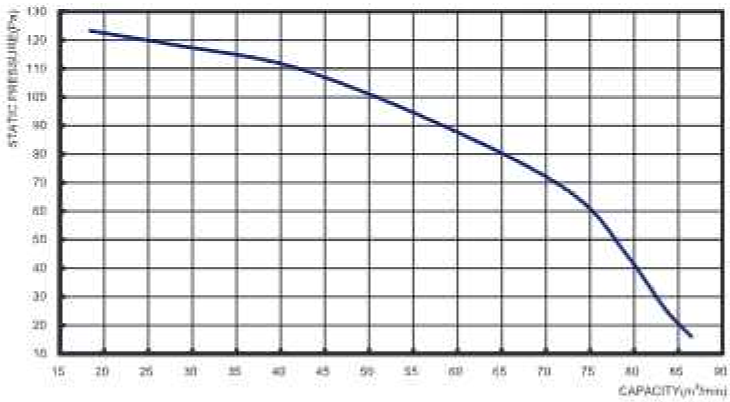
FAC

Performance Curve

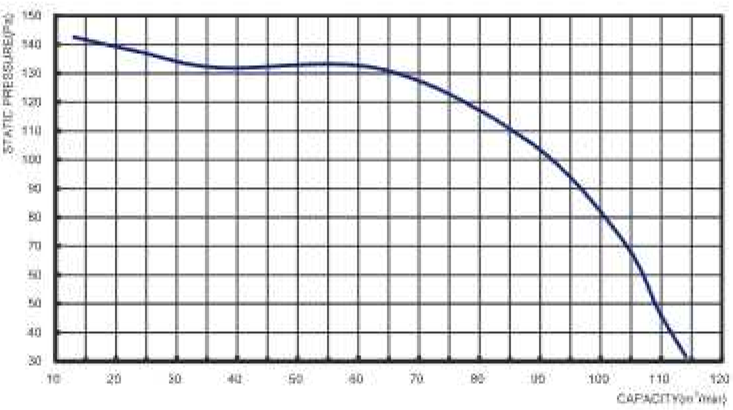
FTAC4-40 Performance Curve



FTAC4-45 Performance Curve



FTAC4-50 Performance Curve



FTAC4-60L Performance Curve

High Pressure Industrial Fan

FZL

CKE Wall Mounted Fans feature the combination of an internal rotor motor with factory matched direct drive impeller. Suitable for use within a wide range of residential, commercial and industrial ventilation applications.

* General Ventilation :
shops, offices, cafes, bars, warehouse, garages.

* The Range :
Air volume performance ranges from 480 to 28295 m3/hr.

* Motors :
Single phase or three phase (IP44 class B insulation)
in 4 & 6 poles.
Working temperature -40' C to +70' C.

* Material :
Full alumunium motor & blade.

Supply Voltages and Frequencies

Main supply voltage	Motor Type	Connection	Speed
Single Phase 220-240V50HZ	230V 50Hz	-	High
Three Phase 220-240V 50Hz	230V 50Hz	▲	High
		⅄	Low
Three Phase 380-415V 50Hz	230/400V 50Hz	⅄	High

Any Changes Of Specification Without Further Notice

High Pressure Industrial Fan

FZL

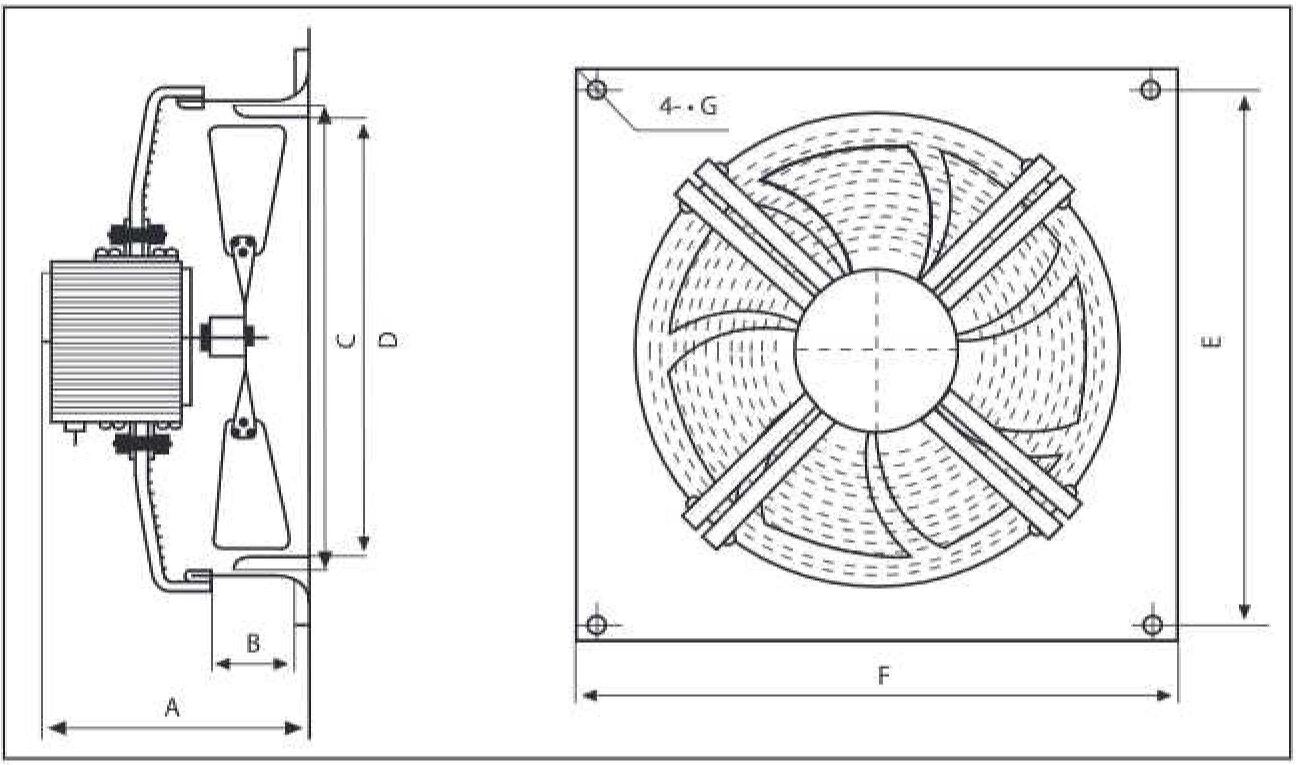
Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
FZL-200-4EQ	1400	480	40	220/50	55
FZL-250-4EQ	1400	1030	60	220/50	56
FZL-300-4EQ	1410	1870	95	220/50	57
FZL-350-4EQ	1400	3252	185	220/50	65
FZL-350-4DQ	1365	3326	170	380/50	64
FZL-400-4EQ	1380	4119	230	220/50	69
FZL-400-4DQ	1390	4537	250	380/50	69
FZL-450-4EQ	1455	6370	520	220/50	75
FZL-450-4DQ	1445	6384	490	380/50	75
FZL-500-4EQ	1420	9800	940	220/50	76
FZL-500-4DQ	1425	9985	910	380/50	76
FZL-560-4DQ	1420	12837	1300	380/50	77
FZL-630-4DQ	1430	16053	1820	380/50	79
FZL-630-6DQ	940	11430	650	380/50	74
FZL-710-4DQ	1400	18158	2180	380/50	80
FZL-710-6DQ	960	16543	920	380/50	78
FZL-800-6DQ	960	21211	1540	380/50	79
FZL-910-6DQ	950	28295	2400	380/50	80

Any Changes Of Specification Without Further Notice

High Pressure Industrial Fan

FZL



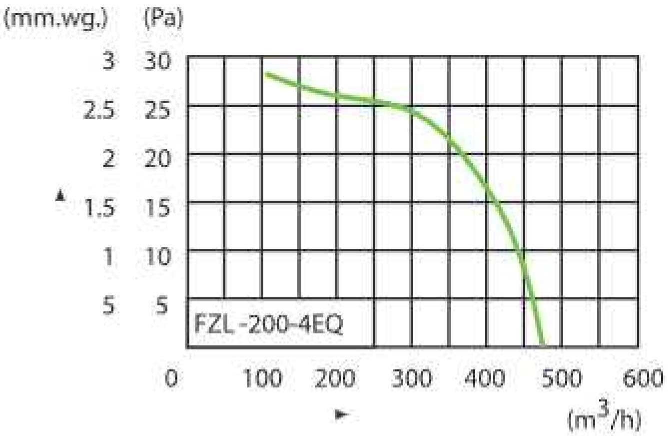
Dimension of Parts

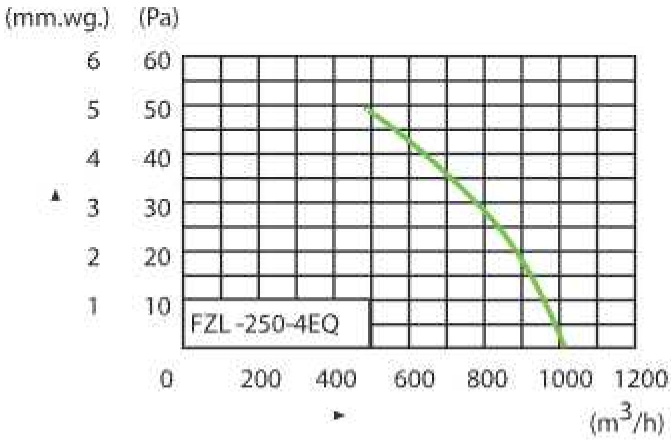
Model	A	B	C	D	E	F	G
FZL-200-4EQ	~134	25	ϕ •224	ϕ •204	285	324	10
FZL-250-4EQ	~150	30	ϕ •284	ϕ •254	341.5	381.5	10
FZL-300-4EQ	~174	43	ϕ •336	ϕ •306	396	436	12
FZL-350-4EQ	~230	50	ϕ •380	ϕ •355	490	530	12
FZL-400-4EQ	~230	60	ϕ •442	ϕ •402	498	542	12
FZL-450-4EQ	~250	66	ϕ •460	ϕ •455	548	592	12
FZL-500-4EQ	~305	66	ϕ •512	ϕ •505	601	645	12
FZL-560-4DQ	~370	70	ϕ •570	ϕ •566	665	715	12
FZL-630-4DQ	~280	75	ϕ •639	ϕ •633	732	782	14
FZL-710-4DQ	~280	75	ϕ •720	ϕ •715	814	864	14
FZL-800-6DQ	~320	75	ϕ •812	ϕ •806	906	956	14
FZL-910-6DQ	~315	75	ϕ •930	ϕ •920	1019	1069	14

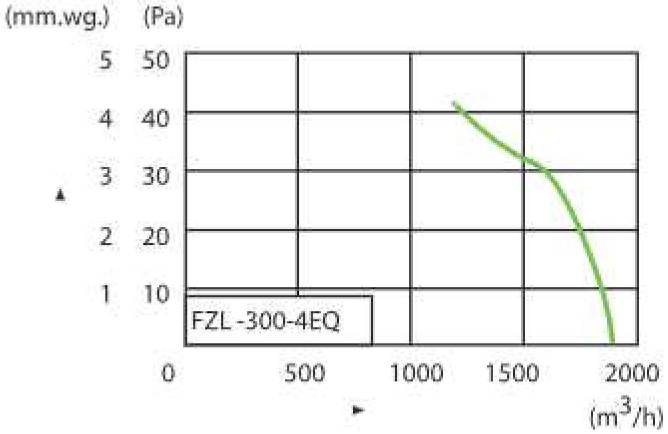
High Pressure Industrial Fan

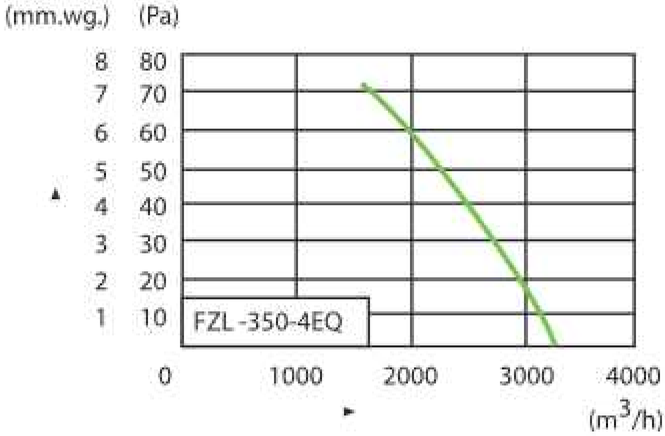
FZL

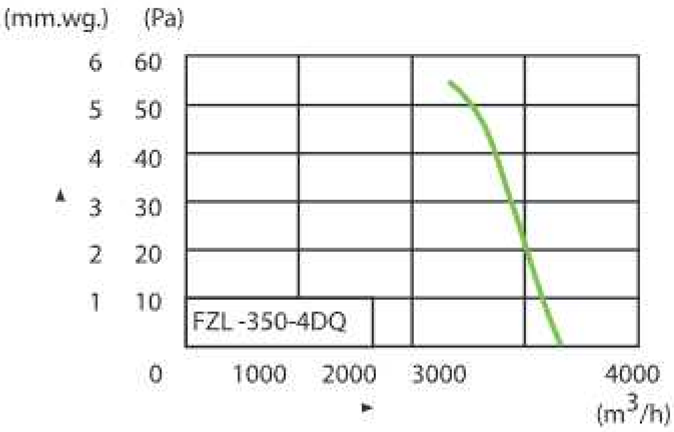
Performance Curve

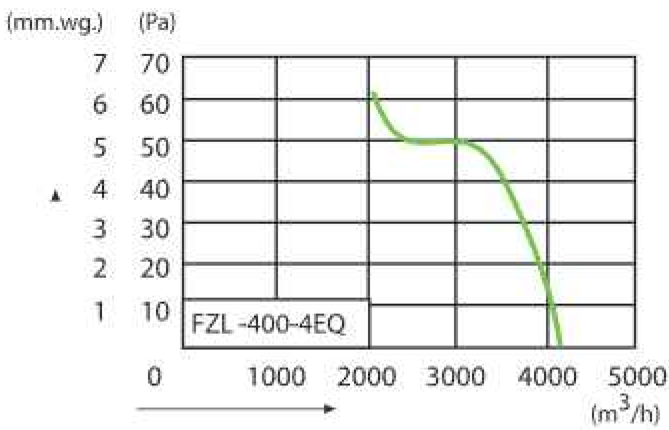








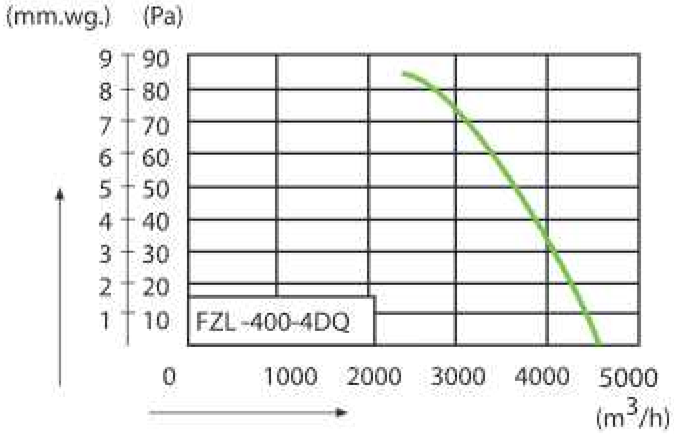


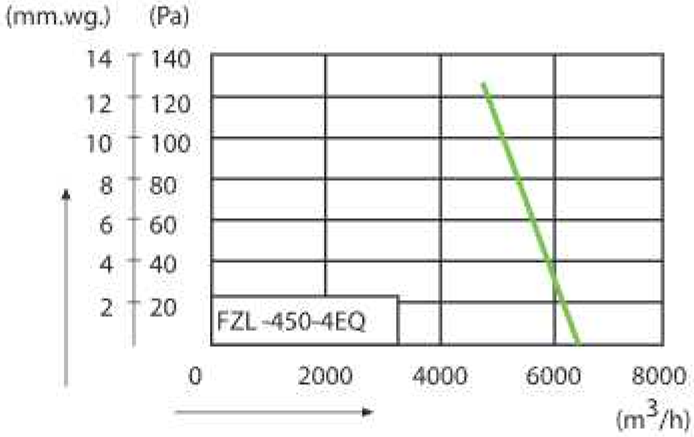


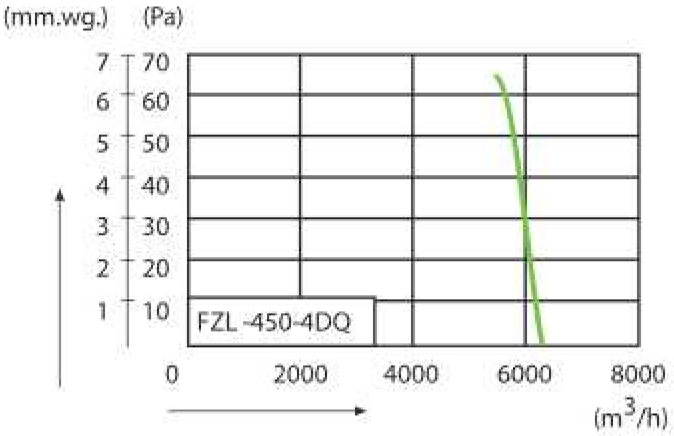
High Pressure Industrial Fan

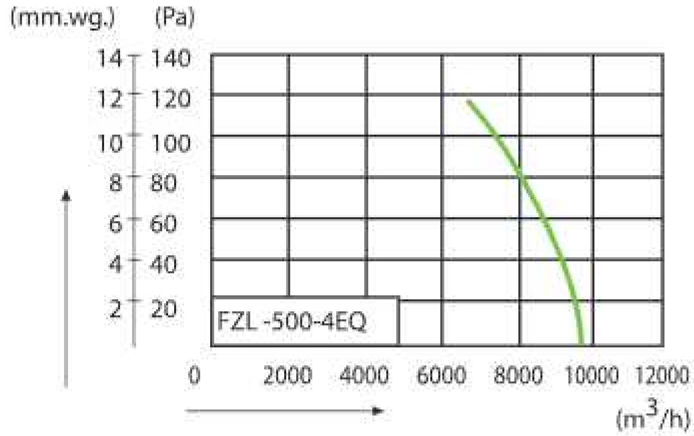
FZL

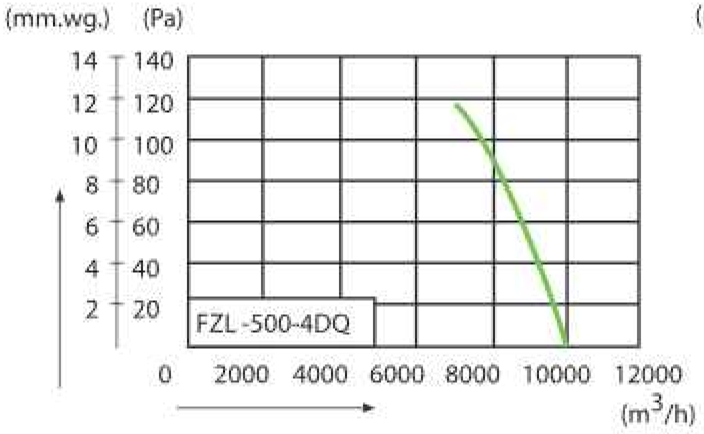
Performance Curve

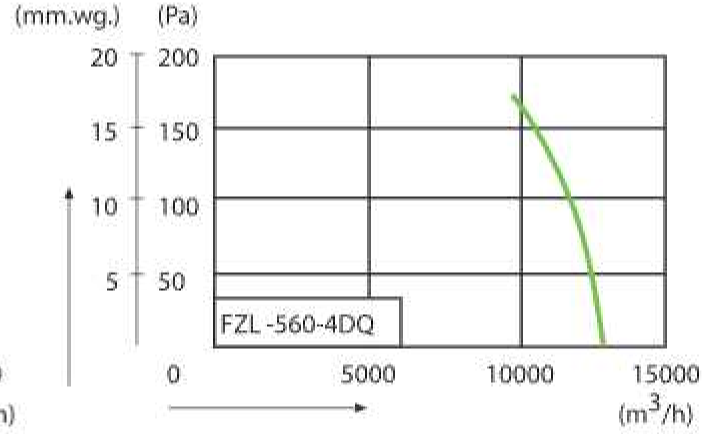








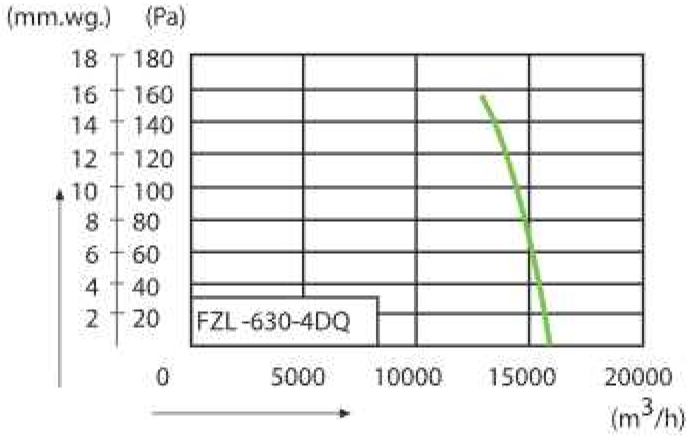


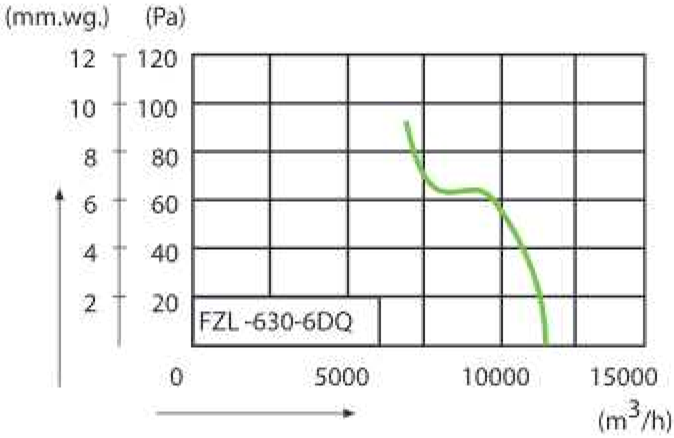


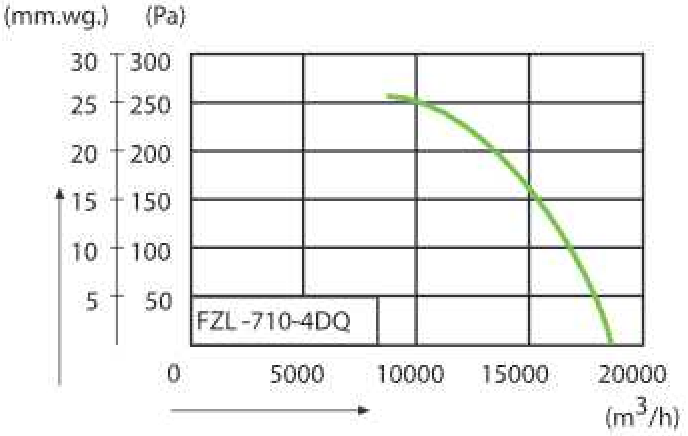
High Pressure Industrial Fan

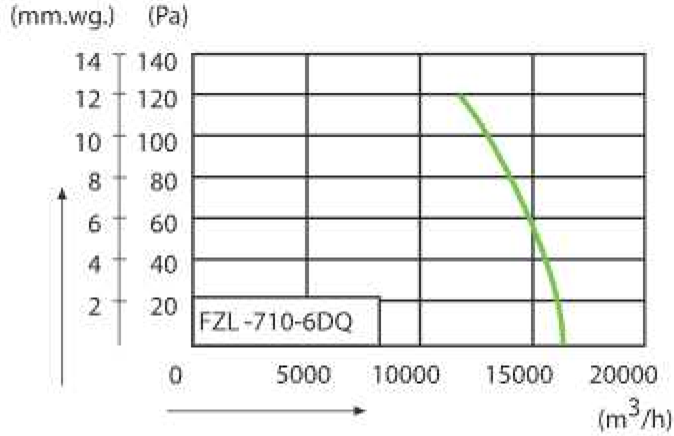
FZL

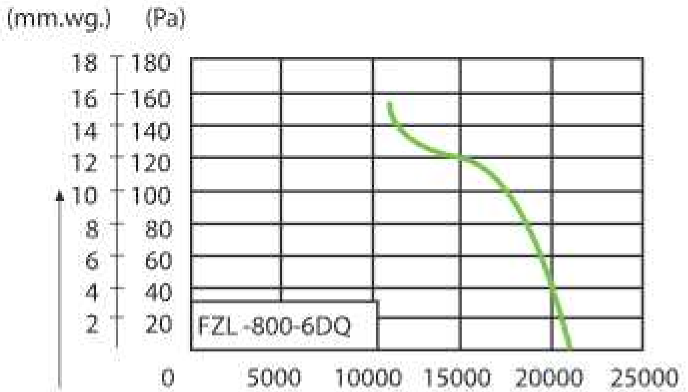
Performance Curve

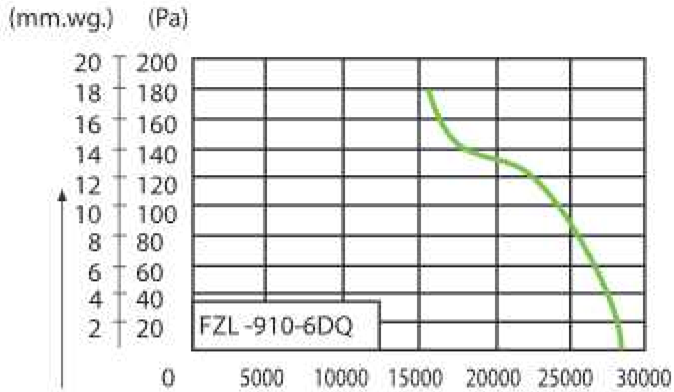












Industrial Fan

YDWF

YDWF Industrial Fan feature the combination of an internal rotor motor with factory matched direct drive impeller. This type of exhaust can be used for both ceiling or wall mounted applications and suitable for use within a wide range of residential, commercial and industrial ventilation applications.

Specification

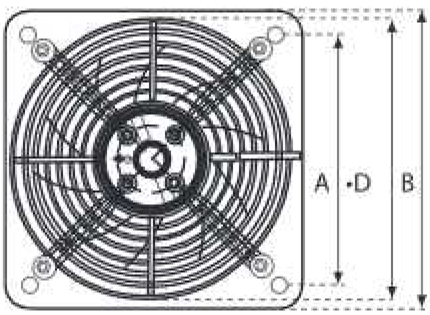
Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
YDWF 200	1420	400	40	220/50	53
YDWF 250	1425	965	48	220/50	54
YDWF 300	1380	1890	90	220/50	59
YDWF 350	1400	3110	150	220/50	64
YDWF 400	1380	4235	250	220/50	69
YDWF 450	1380	5180	250	220/50	68
YDWF 500	1400	6600	370	220/50	74
YDWF 600	930	8700	410	220/50	70

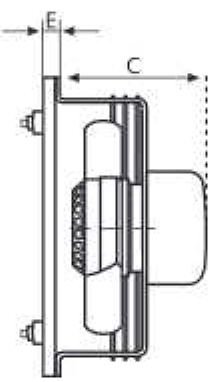
* General Ventilation :
  Shops, offices, cafes, bars, warehouses, garages.

* The Range :
  Air volume performance ranges from 400 to 8700 m3/hr.

* Motors :
  Single phase (IP44 class B insulation) in 4 & 6 poles. Working temperature to +50°C.

Dimension of Parts





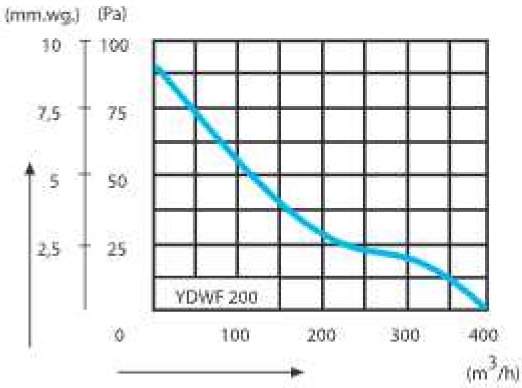
Model	A	B	C	ØD	E
YDWF 200	190	230	120	210	10
YDWF 250	240	280	110	260	10
YDWF 300	290	340	130	310	10
YDWF 350	335	410	170	370	10
YDWF 400	380	480	185	420	10
YDWF 450	440	530	195	470	10
YDWF 500	460	590	170	520	15
YDWF 600	580	700	180	625	15

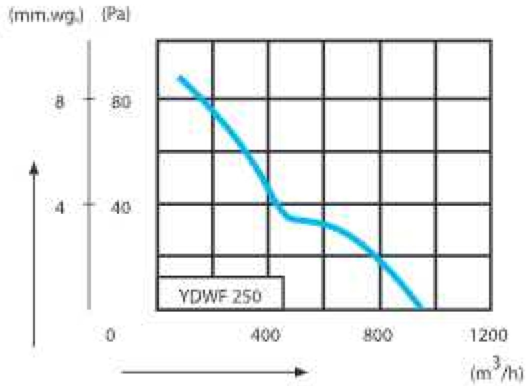
Dimension : mm

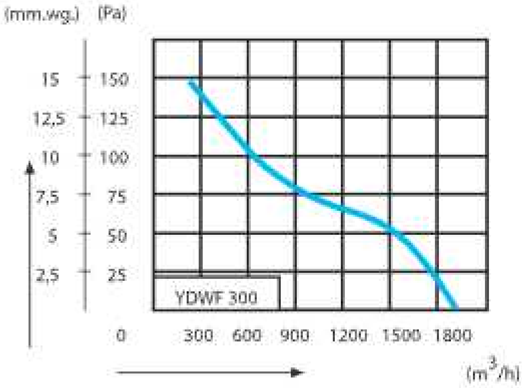
Industrial Fan

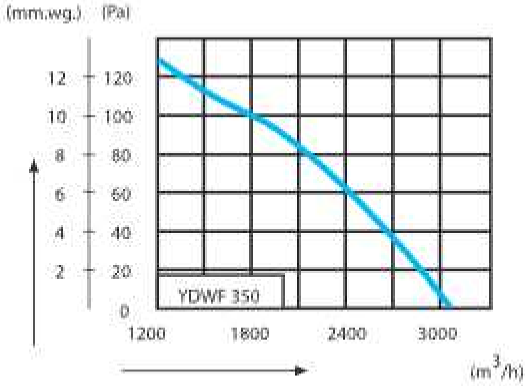
YDWF

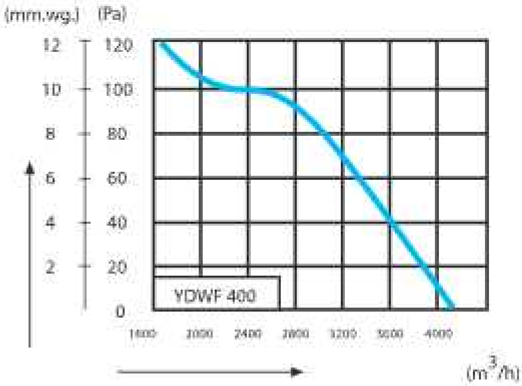
Performance Curve

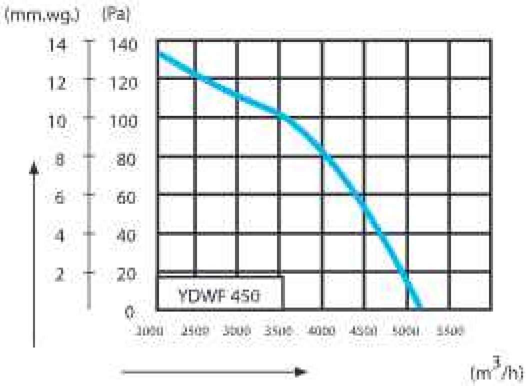


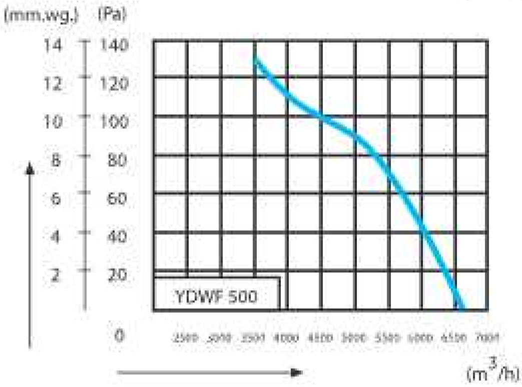


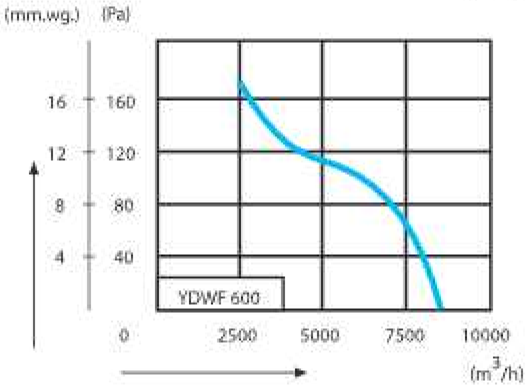












Low Noise Axial Fan

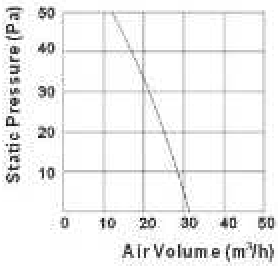
This type of exhaust have many range of uses in poultry, cattle barns and greenhouse, it can also be used in factory, storehouse and other places for ventilating and delivering large air volume with low noise level from 58dB.

Specification

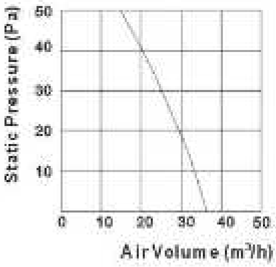
Type APB

MODEL	DIAMETER (Inch)	SPEED (RPM)	AIRFLOW (CMH)	POWER (KW)	POLE
AFL-APB95-9A	38	450	32000	0,55	3
AFL-APB110-9A	44	450	37000	0,75	3
AFL-APB125-9A	50	450	44500	1,1	3

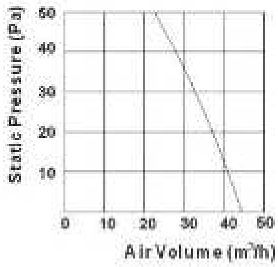
Performance Curve for APB95-9-A



Performance Curve for APB110-9-A



Performance Curve for APB125-9-A



MODEL	DIAMETER (Inch)	POWER (Watt)	AIRFLOW (CMH)	SPEED (RPM)	POLE
AFL-JS-11-8#A	32	400	23000	520	3
AFL-JS-11-9#A	36	550	27500	520	3
AFL-JS-11-10#A	40	750	32000	500	3
AFL-JS-11-12#A	48	750	37000	460	3
AFL-JS-11-13#A	52	1100	44500	460	3
AFL-JS-11-9#C	36	1750	27500	1400	3

Motor

- Three Phase, 230/400V 50Hz.
- IP 44 protection.
- All motors incorporate Class B Insulation (Working temperatures -40° C up to +70° C)
- All models incorporate a "serviceable" Auto-Reset Thermal Overload Protection device

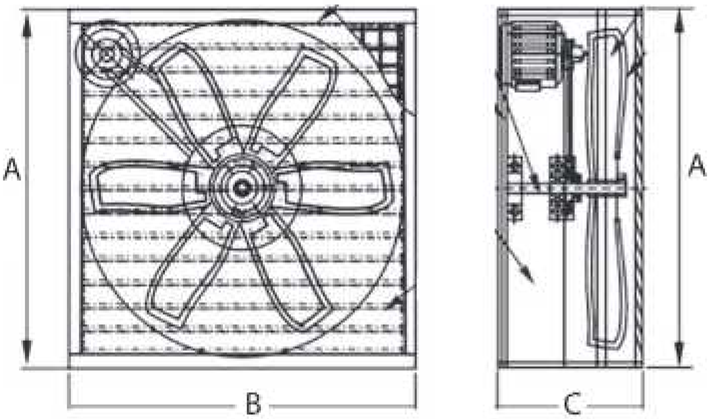
The casing is made from galvanised steel and incorporate an electro-welded steel mesh protection guard mounted on the inlet.

Unit also avaiable with automatic louvre.

Axial Low Noise

Dimension of Parts

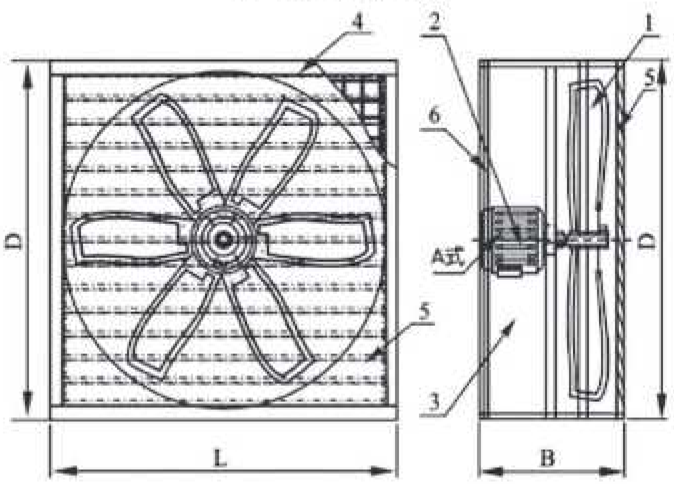
Type APB



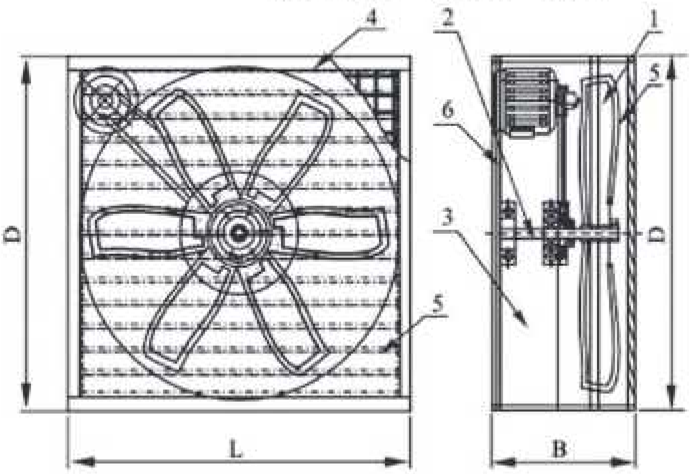
Type APB

MODEL	A (mm)	B (mm)	c (mm)
APB95-9-A	1060	1060	400
APB110-9-A	1220	1220	400
APB125-9-A	1380	1380	400

Type AFL-JS-II-9#C



Type AFL-JS-11-(8#A- 13#A)



1 .Impeller 2.Tuas Roda 3.Motor 4.Frame 5.Shutter 6.Back Net

Dimension \ Size	Type 8A	Type 9A	Type 10A	Type 11A	Type 12A
L	982	1052	1112	1222	1383
B	372	372	372	340/402	340/402
D	980	1050	1110	1220	1381
Weight (Kg)	55	59	61	68	70

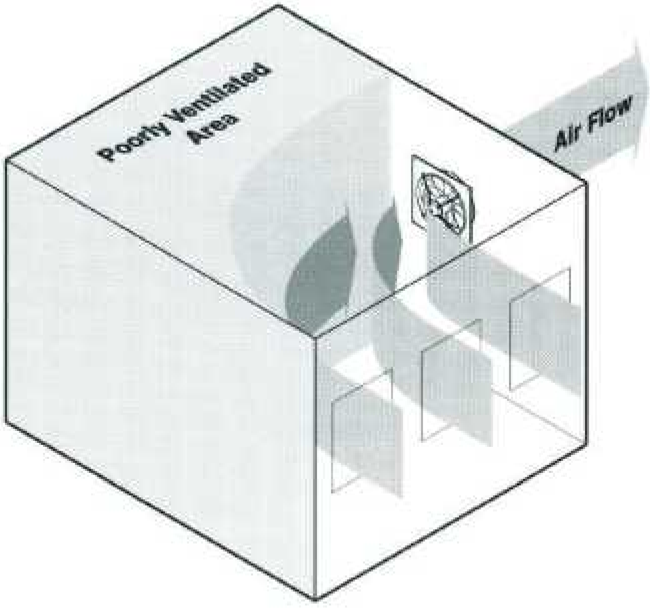
High Pressure Industrial Fan

Installation Guide

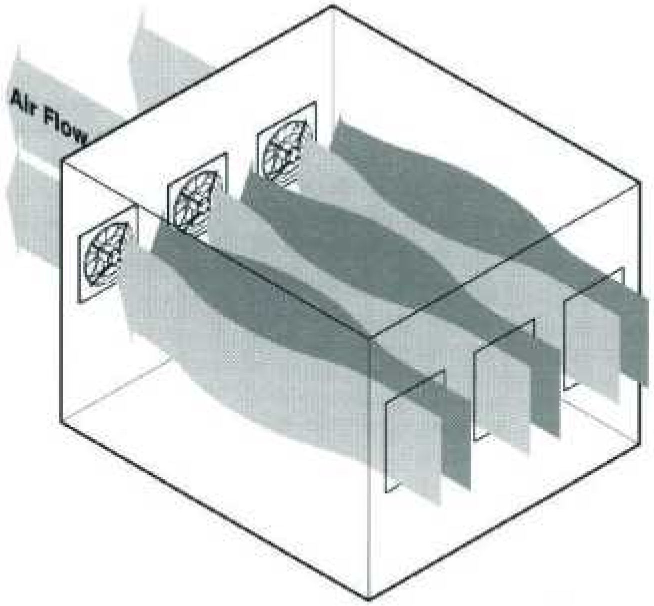
Air flow dead zones

Unducted air extract fans require careful location to obtain an even airflow across the room.

Don't	Do



Part of room is starved of ventilation air.



Because of cross-flow ventilation air circulation and quality of ventilation is optimised.

BUILDING & INDUSTRIAL

CEILING, WINDOW & WALL FAN

Centrifugal Ceiling Duct Plastic

KTD

KTD series range of centrifugal ceiling duct plastic with low noise, low consumption of electrical voltage, automatic protection for motor overheating, powerful wind pressure, multiple air-flow direction and elegant appearance.

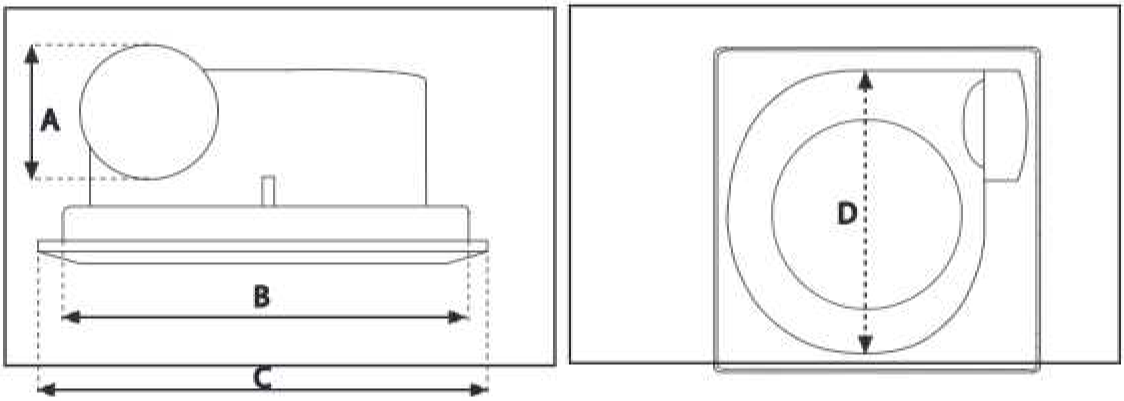
Centrifugal ceiling duct plastic KTD series can meet a variety of operating conditions and applications from individual homes to condominiums and apartment houses such as the ventilation of toilet, bathroom, dining room, living room, bed room and many others.

*Also available the following plastic cover

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
KTD-12F	1250	150	40	220/50	35
KTD-18D-S	1250	330	40	220/50	40

Dimension of Parts

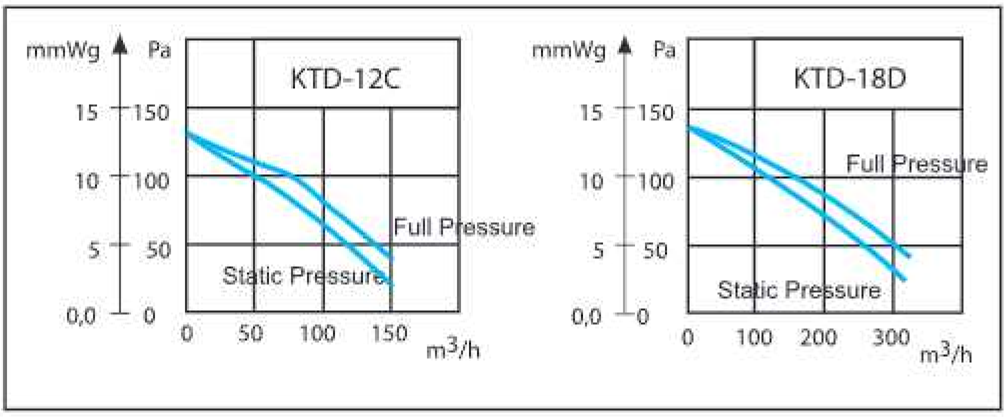


Model	OA	B	C	D
KTD-12F	100	220	270	180
KTD-18D-S	100	290	320	250

Dimension : mm

Centrifugal Ceiling Duct Plastic

Performance Curve



Installation

1. Construct the wooden frame and attach it to the ceiling joint.
2. Remove the cover.
3. Insert the body enclosure into the wood frame and secure with tapping screws (6 pcs).
4. Replace the hood.
5. Attach the duct to the adaptor.
6. Compress the springs of the louver and insert them into the long holes secure the louver.
7. Switch the power and check operation.

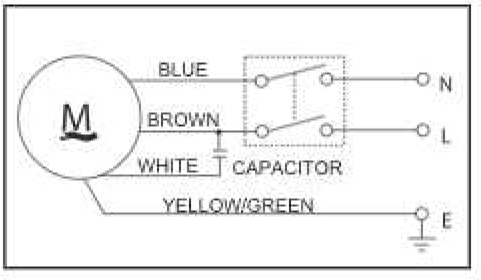
Cautions

1. Do not install in place with high temperature. If installed in kitchen, please keep at least 1 M away from cooking equipment.
2. Do not install this fan where it would be exposed to direct water splash.
3. This fan should be mounted above 2.3M from the floor.

Where to install

Install the fan in the ceiling as far as possible from doors. A diversion of the air flow should always be avoided by locating the unit as far away as possible from, and diagonally opposite, the main source of air replacement.

Wiring Diagram



Centrifugal Ceiling Duct Metal / Plastic

BPT Series

BPT series range of centrifugal ceiling duct metal / plastic with low noise, low consumption of electrical voltage, automatic protection for motor overheating, powerful wind pressure, multiple air-flow direction and elegant appearance.

Centrifugal ceiling duct metal / plastic BPT series can meet a variety of operating conditions and applications from individual homes to condominiums and apartment houses such as the ventilation of toilet, bathroom, dining room, living room, bed room and many others.

CD-28BA

*Also available the following plastic cover :

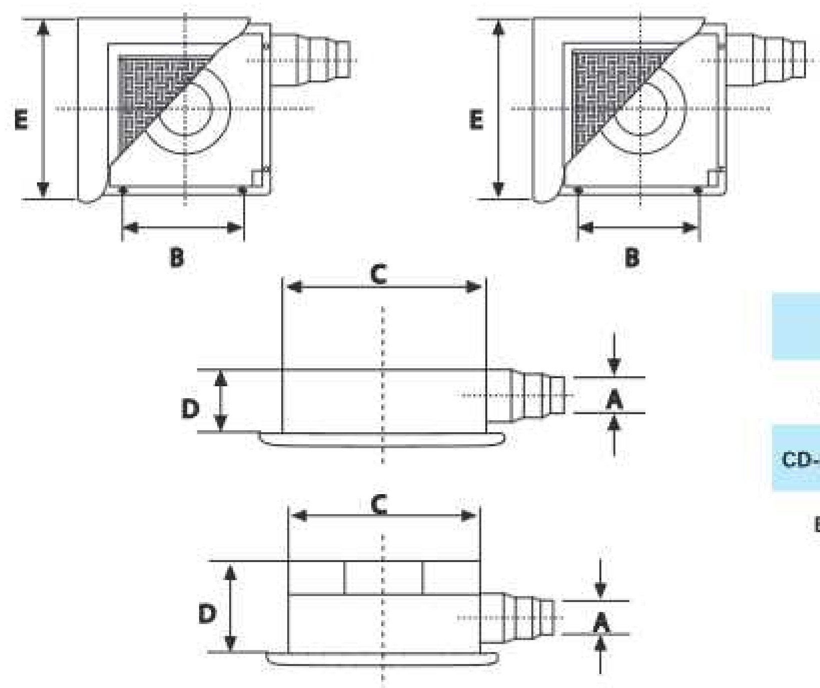
BPT20-56-B

BPT16-23-B

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
BPT16-23-B	860	150	60	220/50	35
CD-28BA/BPT18B	1400	588	60	220/50	42
BPT20-56-B	1250	780	125	220/50	46

Dimension of Parts



Features

* High performance, extremely quiet sirocco fan.
* One-touch spring type louver which can be easily installed and removed.

Model	0A	B	C	D	E
BPT16-23-B	100	160	242	199	297
CD-28BA/BPT18B	150	200	310	242	367
BPT20-56-B	200	240	387	278	476

Dimension : mm

Any Changes Of Specification Without Further Notice

Centrifugal Ceiling Duct Metal / Plastic

BPT Series

BPT series range of centrifugal ceiling duct metal / plastic with low noise, low consumption of electrical voltage, automatic protection for motor overheating, powerful wind pressure, multiple air-flow direction and elegant appearance.

Centrifugal ceiling duct metal / plastic BPT series can meet a variety of operating conditions and applications from individual homes to condominiums and apartment houses such as the ventilation of toilet, bathroom, dining room, living room, bed room and many others.

*Also available the

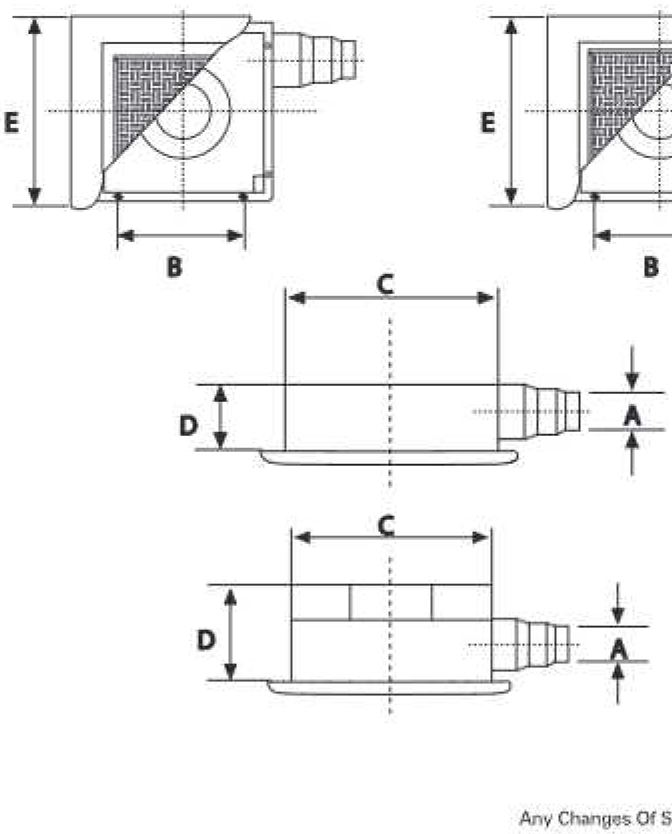
BPT 20-56-B

BPT 16-23-B

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
BPT16-23-B	860	150	60	220/50	35
CD-28BA/BPT18B	1400	588	60	220/50	42
BPT20-56-B	1250	780	125	220/50	46

Dimension of Parts



Features

* High performance, extremely quiet sirocco fan.
* One-touch spring type louver which can be easily installed and removed.

Model	OA	B	C	D	E
BPT16-23-B	100	160	242	199	297
CD-28BA/BPT 18B	150	200	310	242	367
BPT 20-56-B	200	240	387	278	476

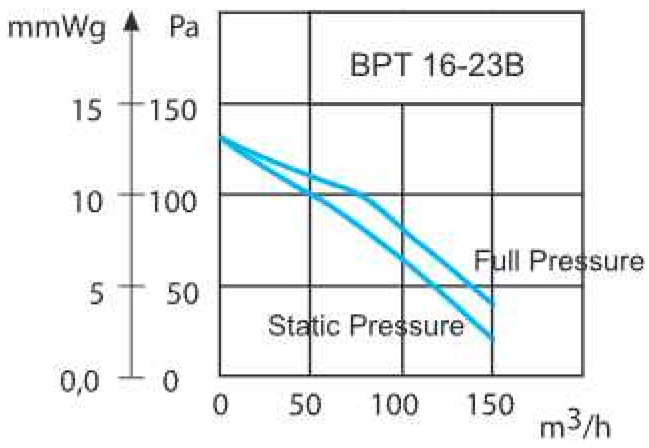
Dimension : mm

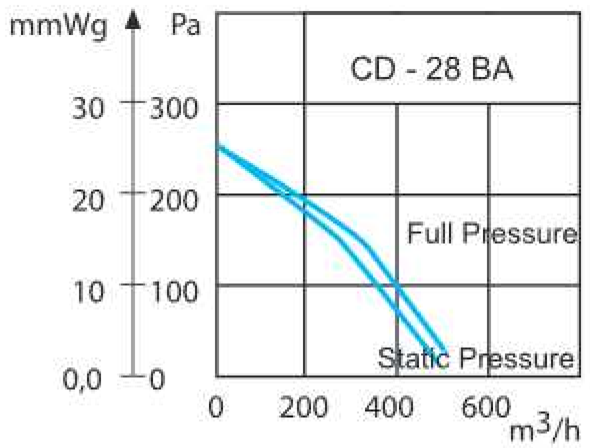
Any Changes Of Specification Without Further Notice

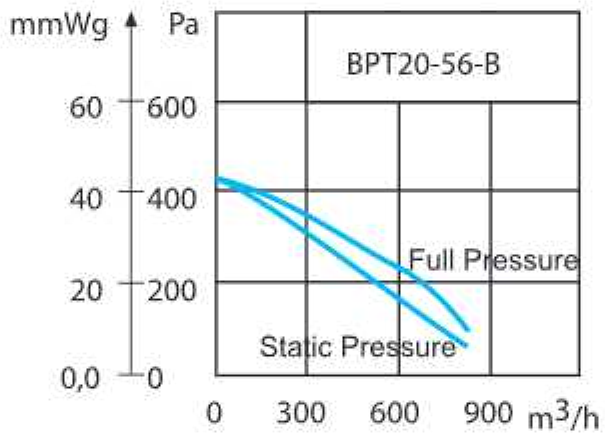
Centrifugal Ceiling Duct Metal / Plastic

BPT Series

Performance Curve

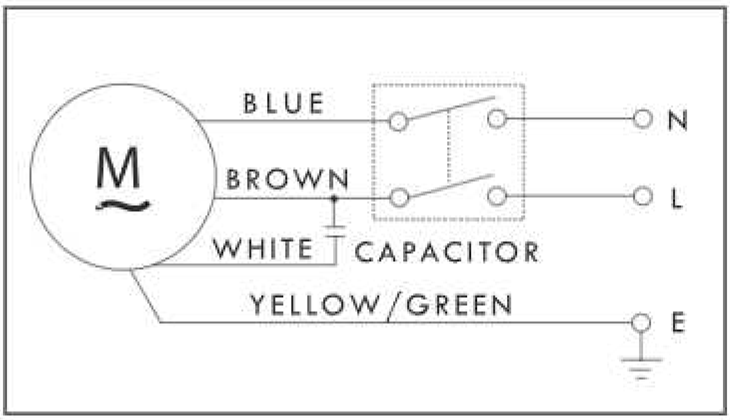






1. First, ensure that the fan is switched off.
2. Do not allow water to contact electrical parts such as motor or switch.
3. Remove the louver and then clean the fan with soap/soft cloth, avoid chemicals such as benzene or petrol. Wipe dry with clean cloth.
4. Never install the fan in the place with high temperature. If install in kitchen, please keep at least 1M away from cooking equipment. Should not install the fan in any places where it would be exposed to direct water splash.
5. The installation height should not be lower than 2.3M.
6. Connect with fixed cable and must preceded by an all-pole switch with at least 3mm breaking gap.

Wiring Diagram



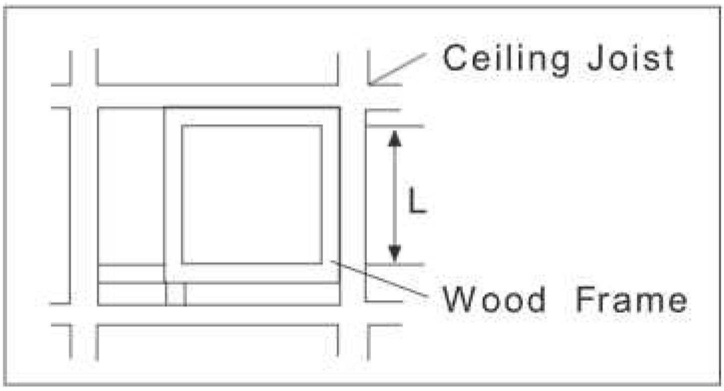
Centrifugal Ceiling Duct Metal / Plastic

BPT Series

Installation

1. Make a wood frame according to the size of Fig.I and fix it to the ceiling joist

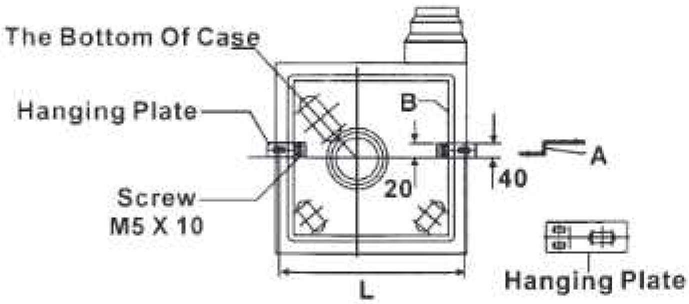
Fig .1



MODEL	L
BPT16(A/B)	100
CD28BA	125
BPT20(45B/56B)	200

Dimension : mm

2. Insert the fan into the wood frame and fix with 4 pieces tapping as screws provided



MODEL	L
BPT16(A/B)	277
CD28BA	315
BPT 20 (45B/56B)	422

Dimension: mm

F ig . 2 Diagrammatic Sketch F or Hanging Installation.

3. Connect the fan and the air duct with your duct

4. Insert the 2 spring of the louver into the holes of the body, then push louver to the body slightly

Ceiling Duct

JM Type

JM-40F

JM-900LF

JM-901F

JM-902LF

JM-916LF

JM-924LF

Specification

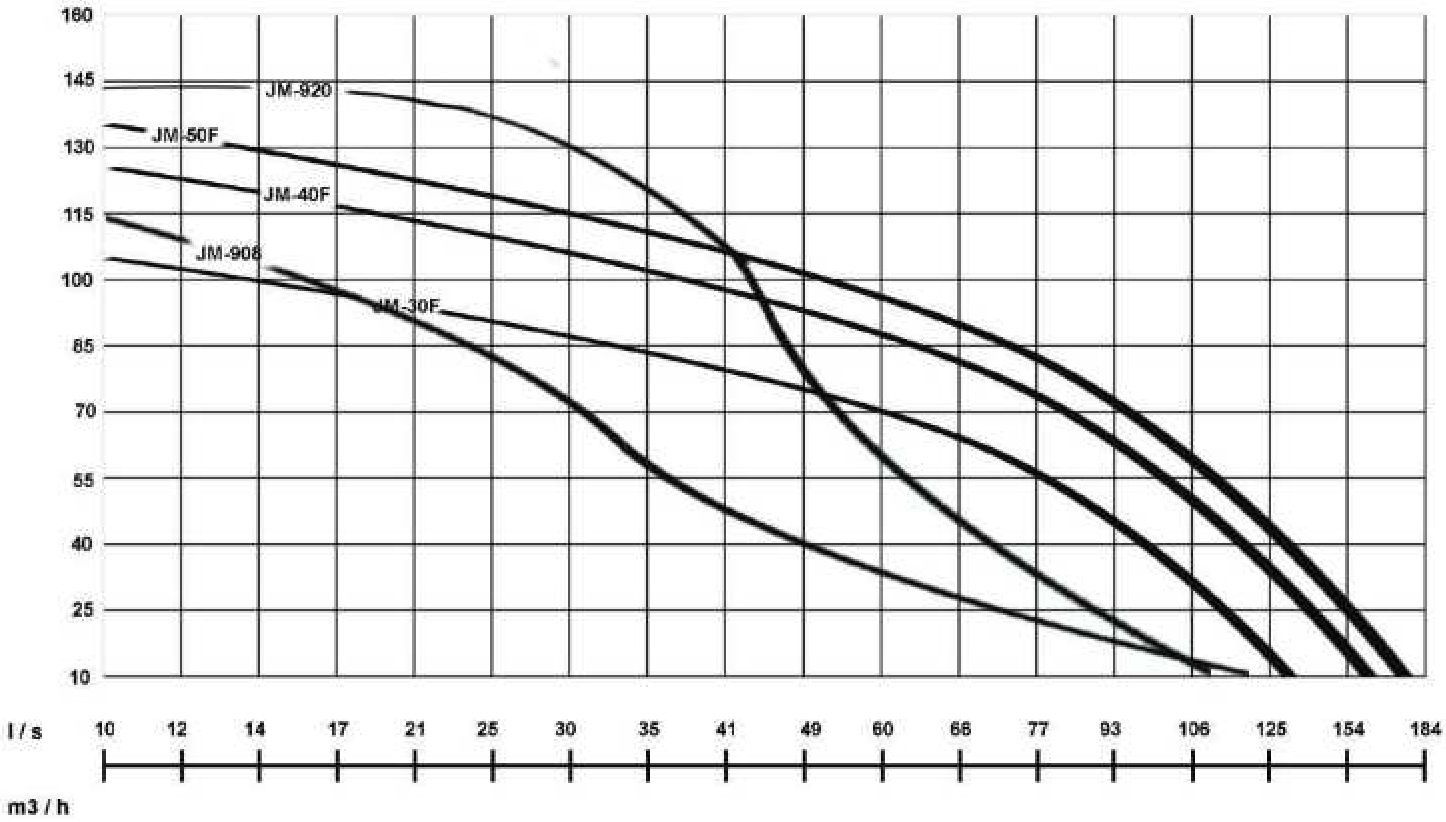
MODEL	BLADE (mm)	MOUNT. SIZE (mm)	DUCT. SIZE (mm)	PWR (W)	SPD (RPM)	CAPACITY (CMH)	FREQ. (Hz)	VOL" (V)
CD-JM40F	160	305x305	150	45	760	400	50	220
CD-JM900LF	160	595x595	150	53	840	450	50	220
CD-JM901F	100	595x595	100	29	1300	165	50	220
CD-JM902LF	160	595x595	150	53	840	450	50	220
CD-JM916LF	160	395x395	150	53	840	450	50	220
CD-JM924LF	160	595x595	150	53	840	450	50	220

Any Changes Of Specification Without Further Notice

Ceiling Duct

JM Type

Performance Curves




JM-40F


JM-900LF


JM-901F


JM-902LF


JM-916LF


JM-924LF

Centrifugal Ceiling Duct Plastic

KHG-10B

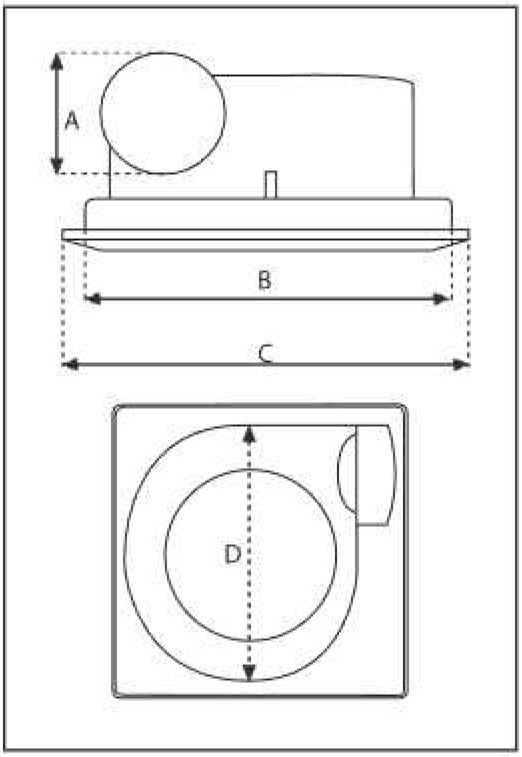
KHG series range of centrifugal ceiling duct plastic with low noise, low consumption of electrical voltage, automatic protection for motor overheating, powerful wind pressure, multiple air-flow direction and elegant appearance.

Centrifugal ceiling duct plastic KHG series can meet a variety of operating conditions and applications from individual homes to condominiums and apartment houses such as the ventilation of toilet, bathroom, dining room, living room, bed room and many others.

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
KHG-10B	1250	150	30	220/50	35

Dimension of Parts



Model	0A	B	C	D
KHG-10B	80	190	200	160

Dimension : mm

Centrifugal Ceiling Duct Plastic

KHG-10B

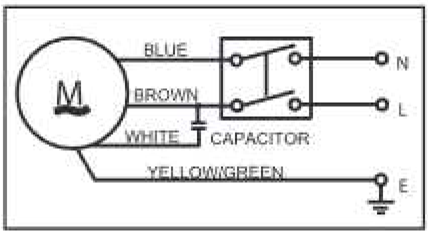
Installation

1. Construct the wooden frame and attach it to the ceiling joint.
2. Remove the cover.
3. Insert the body enclosure into the wood frame and secure with tapping screws (6 pcs).
4. Replace the hood.
5. Attach the duct to the adaptor.
6. Compress the springs of the louver and insert them into the long holes secure the louver.
7. Switch the power and check operation.

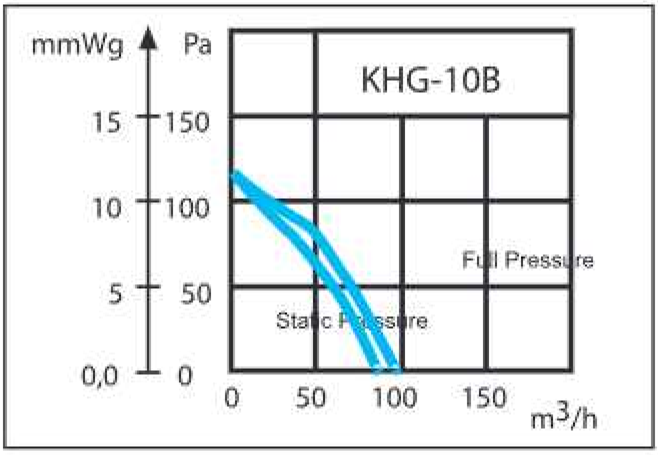
Caution

1. Do not install in place with high temperature. If installed in kitchen, please keep at least 1M away from cooking equipment.
2. Do not install this fan where it would be exposed to direct water splash.
3. This fan should be mounted above 2.3M from the floor.

Wiring Diagram



Specification



Where to Install

Install the fan in the ceiling as far as possible from doors. A diversion of the air flow should always be avoided by locating the unit as far away as possible from, and diagonally opposite, the main source of air replacement.

Ceiling Exhaust Fan Plastic Cover

APB

The APB series faceplates are made of imported precision moulds and excellent injection processes. Best materials for motor insulation are used along with the sophisticate baking finish process.

The optimized six-blade design makes the air volume larger and the fanning stronger, the unique balance check for low vibration and the high precision balance control ensure the most effective control of the vibration and noise.

Motors are equipped with automatic protection for overheating.

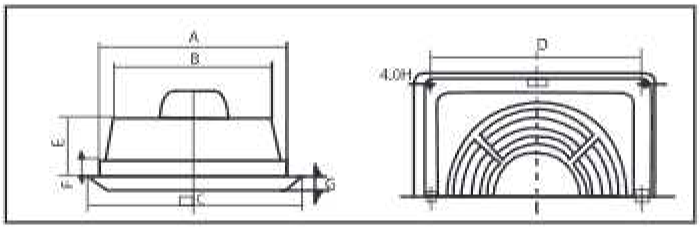
These series are ideal for larger domestic applications such as the ventilation of toilet, bathroom, dining room, living room, bed room and many others.

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
APB20	1250	480	30	220/50	36
APB25	1250	720	40	220/50	43

* Also available the following plastic covers :

Dimension or Parts



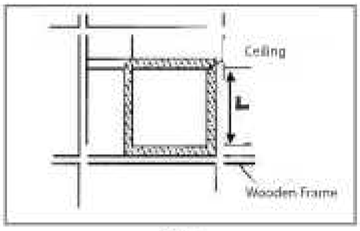


Fig. 1

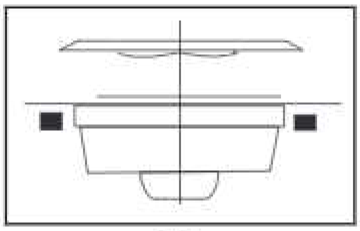


Fig. 2

Model	A	OB	C	D	E	F	G	OH	L
APB 20	252	220	300	265	90	18	20	5	277
APB 25	310	270	365	336	95	20	30	5	315

Dimension : mm

Instalation

1. According to the size of Fig 1, make a wooden frame and then fix it on the ceiling.
2. Put the cabinet into the wooden frame and fix it firmly with 4 screws (or 6 screws) as provided.(Fig 2)
3. Hold two springs which on the louver and push them inside two holes in the cabinet then loose it. Cover the louver slightly.
4. Connect the cable to main switch.

Ceiling Exhaust Fan Plastic Cover

The APT series faceplates are made of imported precision moulds and excellent injection processes. Best materials for motor insulation are used along with the sophisticate baking finish process.

The optimized five-blade design makes the air volume larger and the fanning stronger, the unique balance check for low vibration and the high precision balance control ensure the most effective control of the vibration and noise.

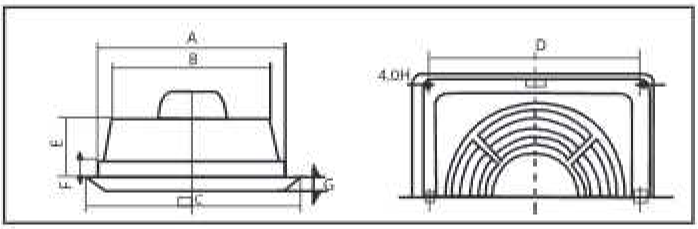
Motors are equipped with automatic protection for overheating.

These series are ideal for larger domestic applications such as the ventilation of toilet, bathroom, dining room, living room, bed room and many others.

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
APT 200	1250	420	30	220/50	36
APT 250	1250	660	40	220/50	43
APT 300	1250	984	40	220/50	43

Dimension of Parts



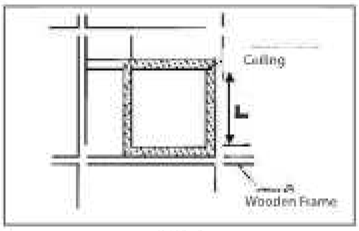


Fig. 1

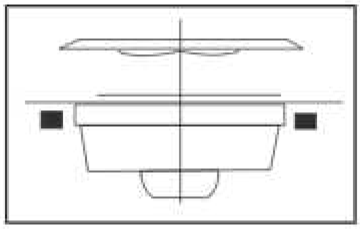


Fig. 2

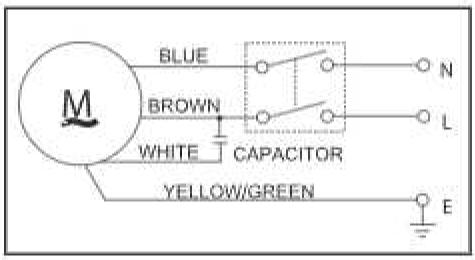
Model	A	ØB	C	D	E	F	G	ØH	L
APT 200	252	220	300	265	90	18	20	5	277
APT 250	310	270	365	336	95	20	30	5	315
APT 300	385	320	435	406	98	22,5	30	5	345

Dimension : mm

Instalation

1. According to the size of Fig 1, make a wooden frame and then fix it on the ceiling.
2. Put the cabinet into the wooden frame and fix it firmly with 4 screws (or 6 screws) as provided.(Fig 2)
3. Hold two springs which on the louver and push them inside two holes in the cabinet then loose it. Cover the louver slightly.
4. Connect the cable to main switch.

Wiring Diagram



Bath Room Exhaust Fan

EFT 100/150

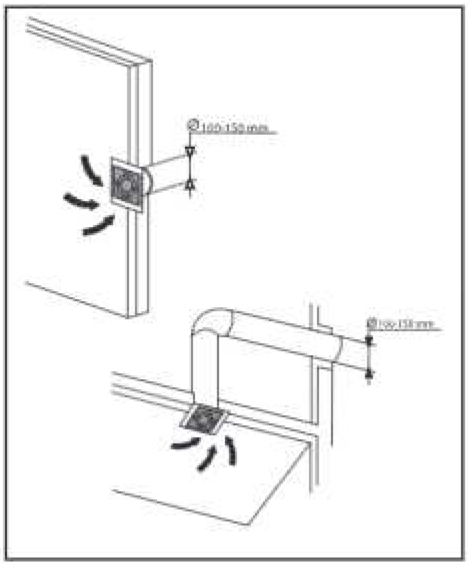
This type of exhaust fan is suitable for use in hotel, meeting room, toilet and air conditioned room for air circulation. It has many distinctive feature, such as low noise, energy saving and easy to install.

Specification

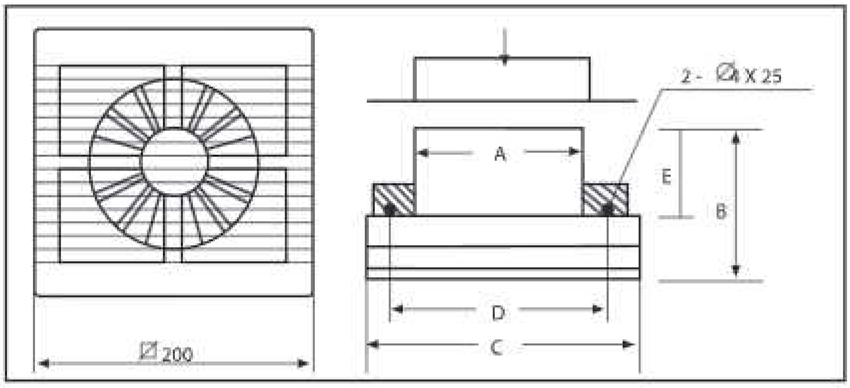
Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
EFT-100	2200	100	15	220 / 50	45
EFT-150	2200	210	25	220 / 50	49

Installation

Can be both for ceiling or wal mounted.



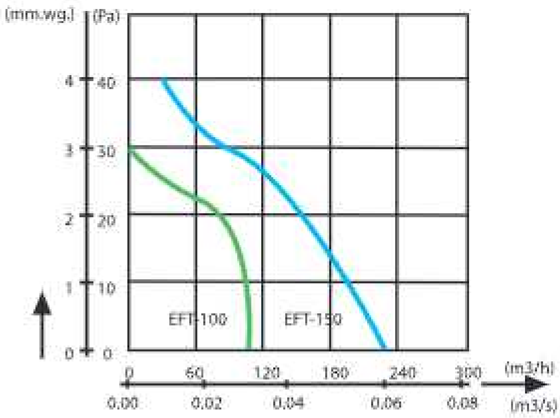
Dimension of Parts



Model	A	B	C	D	E
EFT-100	100	90	155	110	50
EFT-150	156	90	210	178	50

Dimension : mm

Performance Curve



Axial Extract Wall/Windows/Glass

APC

The APC range are manufactured from Injection moulded plastic. All models incorporate single phase 230V 50Hz asynchronous shaded pole motors fitted with a safety thermal overload fuse.

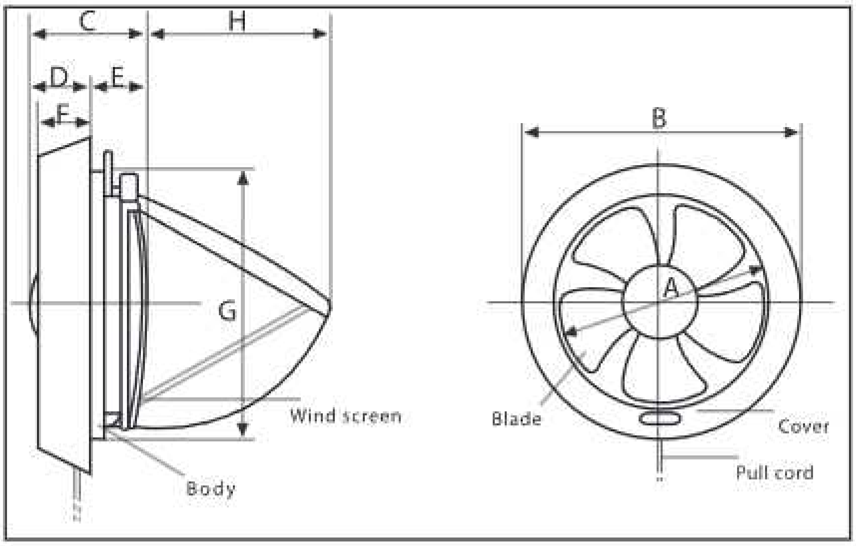
Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
APC15-3-A	2120	210	14	220 / 50	50
APC20-4-A	2008	384	23	220 / 50	55

Installation

Typica applications would include domestic kith ens, bathrooms and commercial offices. All models are fitted with one position shutter which in turn regulates one distinct modes of operation including a natural ventilation function. All modes offer powerful air extraction with very quiet operation.

Dimension of Parts



Model	A	B	C	D	E	F	G	H
APC15-3-A	150	208	85	44	41	40	177	(130)
APC20-4-A	200	272	104	50	54	43	238	(180)

Dimension : mm

Any Changes Of Specification Without Further Notice

Axial Extract Wall/Windows/Glass

APC 100/125/150

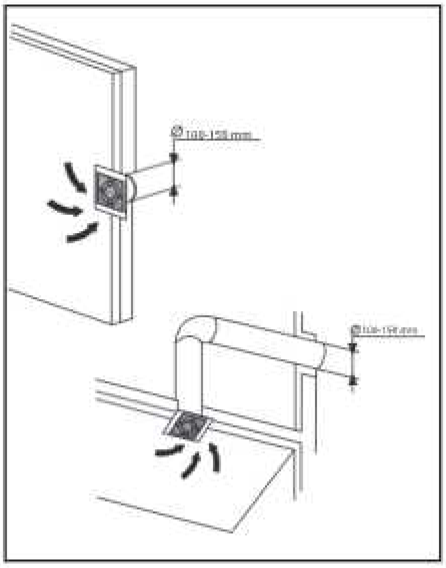
This type of exhaust fan is suitable for use in hotel, meeting room, toilet and airconditioned room for air circulation. It has many distinctive feature, such as low noise, energy saving and easy to install.

Specification

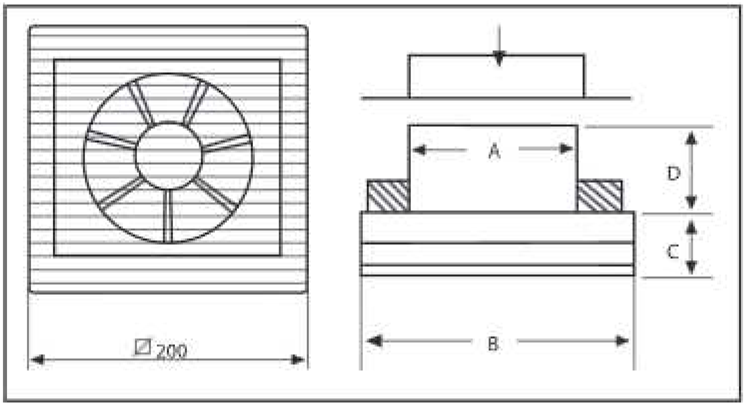
Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
APC 10-2N	1250	90	12	220 / 50	37
APC 12-2N	1250	150	15	220 / 50	37
APC 15-2N	1250	210	18	220/50	40

Installation

Can be both for ceiling or wall mounted.



Dimension of Parts



Model	A	B	C	D
APC 10-2N	100	150	25	70
APC 12-2N	110	180	25	70
APC 15-2N	150	210	30	80

Dimension : mm

Air Curtain

Air curtains are designed for installation in shops, office buildings, hotels and restaurants doorway. They discharge a curtain of air, which effectively shuts out outside air. Usage includes : keeping out insects, unpleasant smells, and dust from outdoor. These air curtains also prevent air escaping from an air-conditioned rooms. A remote control is also supplied for a more convenient operation.

Applications

Please DO NOT install the unit under following conditions:

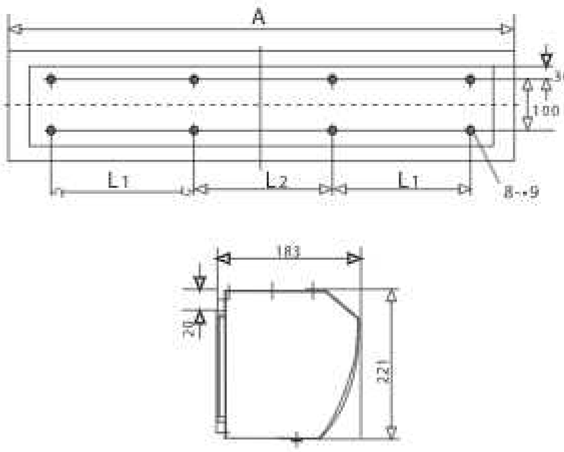
1. Temperature over 50'C or below -10 C.
2. A reative humidity over 95% at room temperature and steamy, wet area.
3. Contains oily smoke.
4. Materials or corrosive gases which may cause explosion.

Fan Construction

Body Length	Power (W)		Air velocity (m/s)		Air Vol (CMH)	Noise (dB)		Weight (kg)
	HI	LO	HI	LO		HI	LO	
900	160	110	11	9	1220	64	62	15,6
1000	200	140	11	9	1450	65	63	16,8
1200	230	150	11	9	1710	67	64	19,5
1500	300	200	11	9	2230	69	66	25,3

E : Rated Voltage and frequency are stated as per rating label.

Dimension of Parts



Body Length	A	LI	L2
900	900	270	300
1000	1000	320	300
1200	1200	420	300
1500	1500	570	300

Dimension : mm

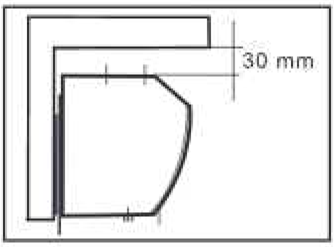
Air Curtain

AC

Cautions & Installations

During installing the unit, please pay special attention to the following points in order to obtain the ultimate efficiency.

1. Install on solid place to avoid unnecessary noise caused by vibrations.
2. AIR CURTAINS are used for Indoor purposes only.
3. Depending on the height to choose the most suitable model. If it fixed too high, the shut-off distance will be affected and the efficiency will be reduced.
4. The air is drawn from the front of the unit and is blown out downwards.
5. Several units can be mounted next to each other. Under such condition, a narrow space in between 20 - 40mm is recommended.
6. During instalation, the mounting plate should not have a gap between the walls.
7. The distance between the unit and the ceiling must be at least 30mm.



8. The unit should be installed horizontally and at least 2 - 3m above the ground.
9. A triple pole switch should precede the appliance with at least 3mm breaking flap.

Maintenance & Repare

1. Unplug the unit from any power source prior checking or maintenance.
2. Keep electric motor or other parts away from moisture to avoid short circuit.
3. Regular checking and maintenance is recommended to use a damp cloth with mild detergent for cleaning.
4. Only detach the unit by professionals.

Installation

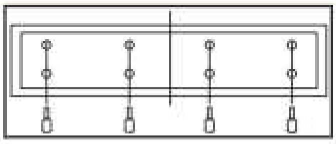


Fig. 1

Fig. 2

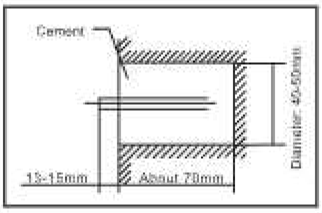


Fig. 3

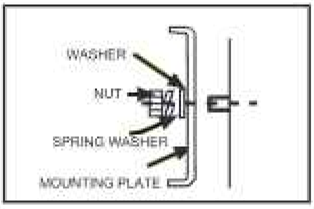


Fig. 4

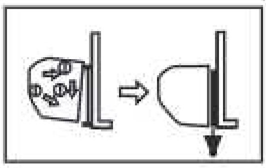


Fig. 5

1. Unscrew the mounting plate and take it off. (Ng. 1. Fig.2)
2. Drill a hole as the instruction. Then put into the bolt and fix it with cement. (Fig.3)
3. Hanging on the mounting plate and ensure fix it. (Fig.4)
4. Installing the machine onto the mounting plate and ensure the safety, then fix it and tighten with screws. (Fig.5)

Ceiling Rotary Fan

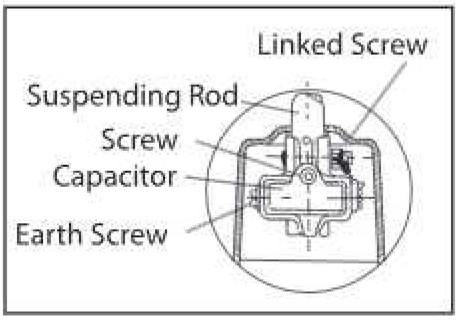
CLF

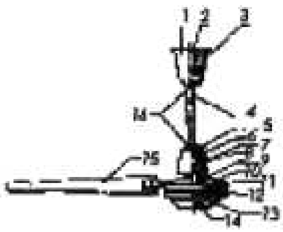
Specification

CODE	MODEL	SIZE (mm)	DIAM (Inch)	POWER (Watt)	SPEED (RPM)	VOLT (V)/Hz
CLF-FC8-140B	FC8-140B	152 x 14 mm	56"	75	290	220
CLF-FCH8-140B	FCH8-140B	152 x 14 mm	56"	75	290	220
CLF-FCH58-140(1)	FCH58-140(1)	152 x 16 mm	56"	80	290	220
CLF-FCH58-140(2)	FCH58-140(2)	172 x 16 mm	60"	80	290	220
CLF-FC68-140	FC68-140	152 x 16 mm	56"	80	295	220
CLF-FCH11-140	FCH11-140	152 x 16 mm	56"	80	295	220
CLF-FCH28-150	FCH28-150	150 x 18 mm	60"	80	290	220

CLF-FCH8-14B

Fan Construction





1. Upper cover 2. Rubber wheel 3. Upper shackle 4. Suspending Rod 5. Lower Shackle 6. Lower over 7. Wiring board 8. Capacitor 9. Bearing 1 0. Upper case II. Stator 12. Rotor 13. Lower case 14. Bearing 15. Blade 16. Linked Screw

CLF-FCH58-140(1)

CLF-FCH58-140(2)

CLF-FC68-140

CLF-FCH11 -140

CLF-FC8-140B

CLF-FCH28-150

Applications

In summer:
- They create fresh air flow in rooms for domestic, commercial and industrial use.

In winter :
- They provide hot air transfer from ceilings back down to floor areas. The recovery of this "lost" warm air saves energy and provides an overall feeling of comfort to the surrounding area.

CKE model is manufactured from sheet steel and sprayed with a tough epoxy-polyester white colour paint. Models are supplied as standard with speed controller.

All models incorporate the following standard electrical specifications:
- Single Phase 220V 50Hz
- Forward and reverse operation
- Speed control
- Sealed For Life, ball bearing IP44 protection
- Class B insulation Humidity protection
- Safety Thermal Overload Protection

Any Changes Of Specification Without Further Notice

Wall Fan

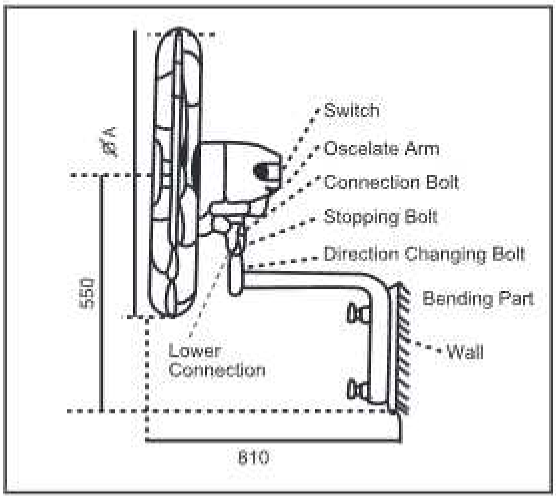
Function : This fan is suitable for domestic, commercial and industrial use such as in factory, warehouses, workshops and many others.

Features : High air volume, efficient electricity consumption, safe and reliable, stable running and easy to install.

In order to meet the needs of different places, our fans are divided into stand type, wall type, speed type, adjustable pillar and fixed pillar type.

All models include a three fan speed control switch and an oscillating fan head feature to provide a wider and more even airflow spread to the surrounding environment.

Dimension of Parts



Model	ØA
20 Inch	564
24 Inch	654
26 Inch	706
30 Inch	824

Dimension : mm

Specification

Model	Speed (RPM)	Air Flow (CMH)	Power (W)	Rating (V/Hz)
WF-NS20/1-3SLV	1400	10200	130	220/50
WF-NS24/1-3SLV	1400	12240	150	220/50
WF-NS26/1-3SLV	1400	13260	230	220/50
WF-NS30/1-3SLV	1400	15300	350	220/50

Any Changes Of Specification Without Further Notice

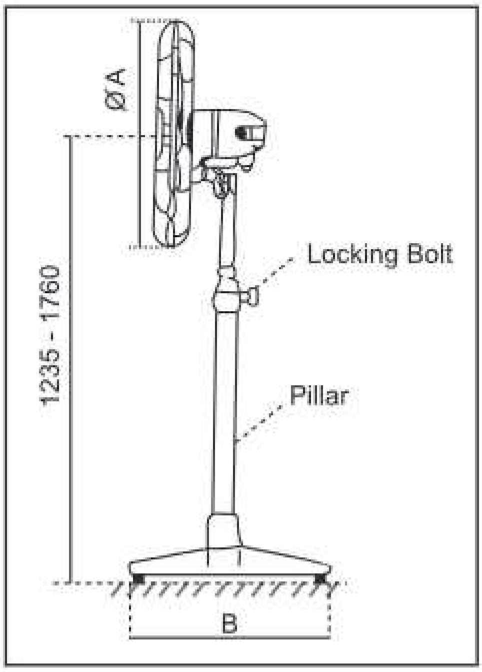
Stand Fan

Similar to CKE Wall Fan, CKE Stand Fan allows easy installation and movement portability.

Specification

Model	Speed (RPM)	Air Flow (CMH)	Power (W)	Rating (V/Hz)
SF-SL20/1-3BL	1400	10200	130	220/50
SF-SL24/1-3BL	1400	12240	150	220/50
SF-SL26/1-3BL	1400	13260	230	220/50
SF-SL30/1-3BL	1400	15300	350	220/50

Dimension of Parts



Model	ØA	B
20 Inch	564	600
24 Inch	654	600
26 Inch	706	600
30 Inch	824	700

Dimension : mm

Stand Fan

Switch Speed

- NEST: CHROME
- MOTOR: CHROME/SLVER
- BLADE: GREY METALK
- POLE : CHROME / SILVER
- BASE: SILVER

Any Changes Of Specification Without Further Notice

BUILDING & INDUSTRIAL

DRUM FAN ROOF FAN,

& PORTABLE, TURBIN VENTILATOR

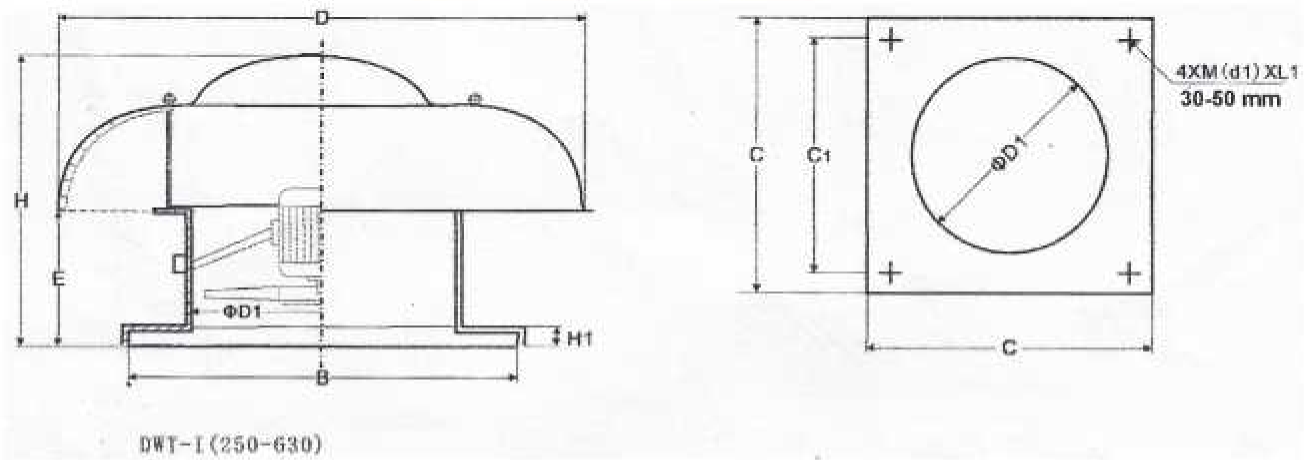
Roof Fan PP

DWT

DWT- I (250 - 630)

- The impeller designed for air-foil impeller and can be adjusted, it is made of alumunium or tough polypropylene plastic.
- With low noise, high static pressure and high efficiency.
- It can bemake of tough polypropylene plastic, the ring is made of tough polyppropylene plastic or sheet epoxi-paint.
- It's suitable for factory, warehouse, substation, etc.

Dimension of Part



Type	D	D1	H1	C	C1	B	E	H	M(D1xl1)	Weight (kg)
300	Φ650	Φ 300	60	480	420	510	300	470	M8 X 250	15
400	Φ650	Φ 400	60	600	530	630	340	510	M12 X 250	20
500	Φ1000	Φ 500	60	720	650	750	390	630	M12 X 300	25
600	Φ1000	Φ 600	60	850	770	870	440	680	M12 X 300	35

Roof Fan PP

DWT (300 • 800)

Specification

MODEL	CAPACITY (CMH)	STATIC PRESSURE (Pa)	SPEED (RPM)	POWER (KW)
300	3300	181	2850	0,37
	3000	206		
	2600	232		
	1650	62	1450	0,06
	1560	66		
	1450	72		
400	7450	193	2850	0,75
	6350	230		
	5300	250		
	5700	176	1450	0,55
	5400	184		
	4580	190		
500	8000	135	1450	0,55
	7000	162		
	5600	191		
	7000	113	960	0,37
	6700	122		
	6400	131		
	6000	88	720	0,25
	5000	92		
	4100	96		
	15000	232	1450	1,5
	14000	251		
	13000	267		
	11000	168	960	1,1
	10000	183		
	9100	193		
	8500	111	720	0,55
	8000	127		
	7600	136		

Roof Fan Steel

RFS

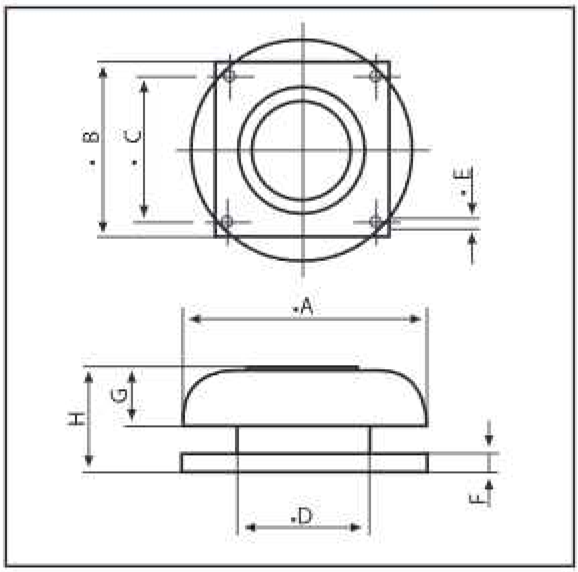
* IP55 Protection.
* Class F Motor Insulation.
* Sealed For Life, ball bearings.
* Motors suitable for speed control in single and three phase.
* Three phase motors can be operated in •/* connection with 230 - 400V 50Hz.
* Air stream temperatures limits up to +70 C

Application

The Axial Roof Fan range are suitable for many roof extract or supply ventiation applications including :

* Commercial Office.
* Shopping Malls.
* Leisure Facilities.
* Kitchens.
* Agricultural Buildings Ventiation.

Dimension of Patrs



Model	ØA	•B	•C	ØD	ØE	F	G	H
ARF-315	640	560	450	315	12	40	70	341
ARF400	760	630	535	400	12	40	80	361
ARF-500	895	710	590	500	14	40	110	410
ARF-560	1150	905	750	560	14	50	165	488
ARF-630	1150	905	750	630	14	50	165	488
ARF-710	1350	1100	840	710	14	50	200	551
ARF-800	1350	1100	840	800	14	50	200	732
ARF-900	1580	1250	950	900	14	50	200	756
ARF-1000	1580	1250	950	1000	14	50	200	756

Dimension : mm

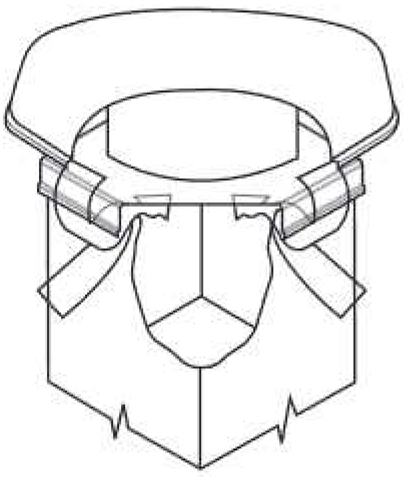
Installasi Guide

RFS

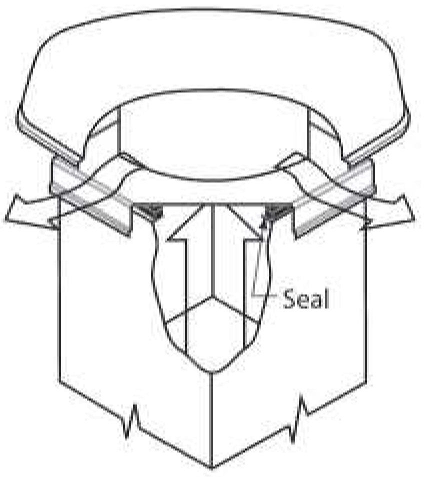
Figure 1. - Roof ventilator short-circuiting of air

Ensure the roof ventilator base has an airtight seal.

Don't



Do



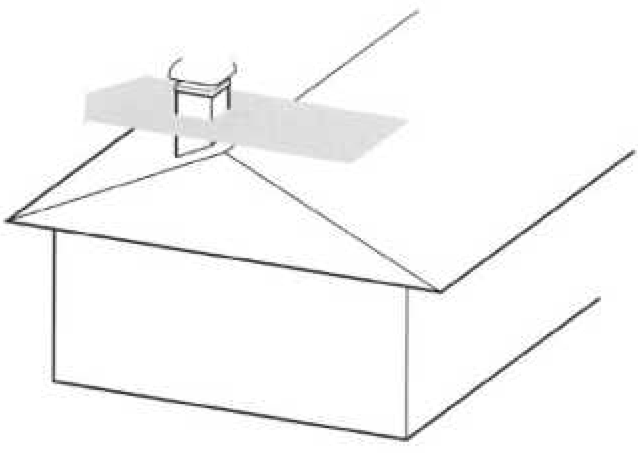
If the unit does not have an airtight seal between the base and the upstand, short-circuiting of outside air can ocur thereby reducing the amount of air being exhausted from the building.

An airtight seal between the upstand and fan base prevents short-circuiting of outside air ensuring the fan is exhausting from the designated space.

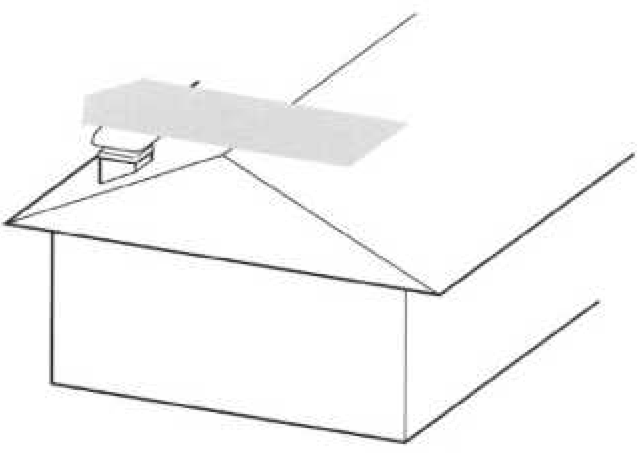
Figure 2. - Prevailing winds

Mechanical roof ventilator units perform best if influence of prevailing wind is minimal.

Don't



Do



Unit above ridge is exposed to crosswinds. Exhaust capacity may be reduced due to back-pressure effects.

Roof unit relatively sheltered from prevailing winds suffers less from back-pressure effects

Drum Fan Standard

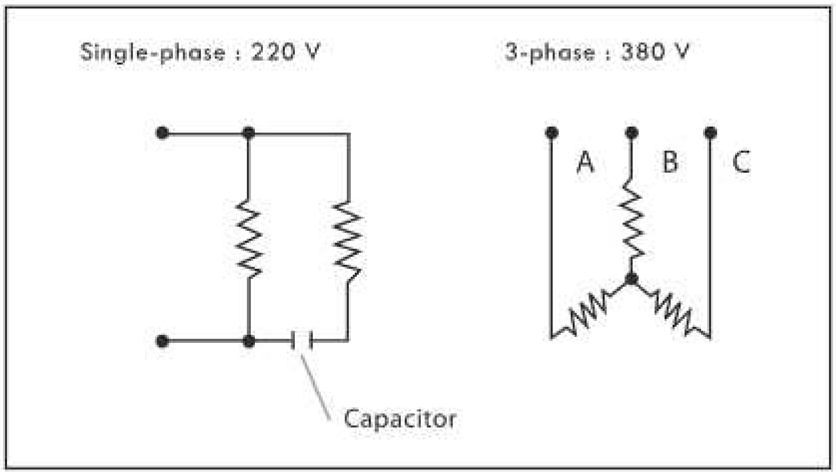
DFS

This type of exhaust is suitable for air circulation in factory, workshop, warehouse, hospital, laboratory and public place. They can be installed on the wall or in the pipeline.

The exhaust have the advantages of high air volume, power economy, low-noise and stability operation. All exhaust have been tested under many different harsh condition to ensure the product performance and quality.

WELDING BLADE

Wiring Diagram



Motors

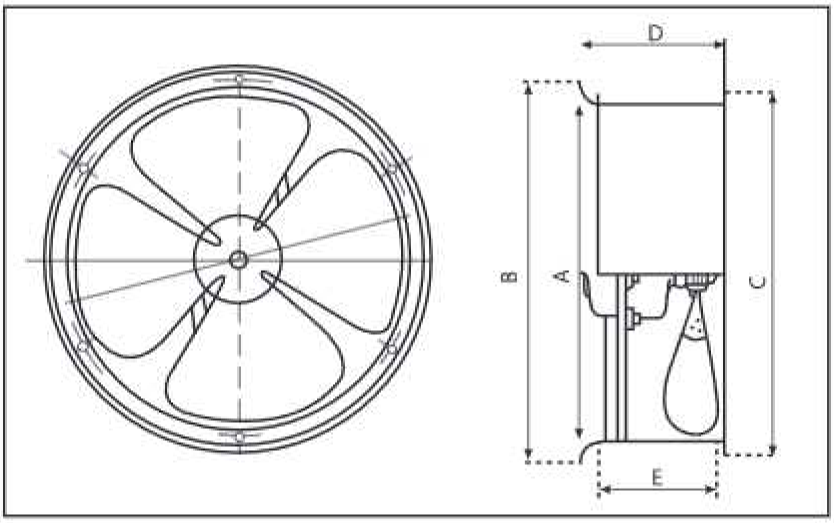
- Single / Three Phase 230/400V 50Hz (or 400V 50Hz on some models).
- IP44 protection, Class B.

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
DFS-D08/1	1350	442	30	220 / 50	47
DFS-D10/1	1350	683	40	220 / 50	48
DFS-D12/1	1350	984	55	220 / 50	53
DFS-D14/1	1350	1350	70	220 / 50	61
DFS-D16/1	1400	3900	150	220 / 50	64
DFS-D16/3	1400	3900	150	380/50	64
DFS-D20/1	1400	5702	350	220 / 50	67
DFS-D20/3	1400	5702	350	380/50	67
DFS-D24/1	1400	8704	600	220 / 50	70
DFS-D24/3	1400	8704	600	380/50	70
DFS-D28/1	1400	14107	1100	220 / 50	77
DFS-D28/3	1400	14107	1100	380/50	77

Any Changes Of Specification Without Further Notice

Drum Fan Standart



WELDING BLADE

* Never use the exhaust where acid or explosive gases are present.
* Replace lubricant in bearings after 1500 hours of operation.
* Storage :
  Store the exhaust in clean, dry and ventilated place.

Dimension of Parts

Model	A	B	C	D	E
DFS-D08/1	Φ • 222	Φ •250	Φ •240	180	160
DFS-D10/1	Φ •275	Φ • 300	Φ • 290	180	160
DFS-D12/1	Φ •325	Φ •350	Φ •340	195	175
DFS-D14/1	Φ •375	Φ • 415	Φ •395	210	190
DFS-D16/1	Φ • 440	Φ • 475	Φ •455	240	205
DFS-D16/3	Φ • 440	Φ • 475	Φ •455	240	205
DFS-D20/1	Φ •530	Φ •580	Φ •555	240	205
DFS-D20/3	Φ •530	Φ •580	Φ •555	240	205
DFS-D24/1	Φ •640	Φ •680	Φ •660	270	335
DFS-D24/3	Φ •640	Φ •680	Φ •660	270	335
DFS-D28/1	Φ • 740	Φ •820	Φ • 770	360	315
DFS-D28/3	Φ • 740	Φ •820	Φ • 770	360	315

Dimension : mm

Caution

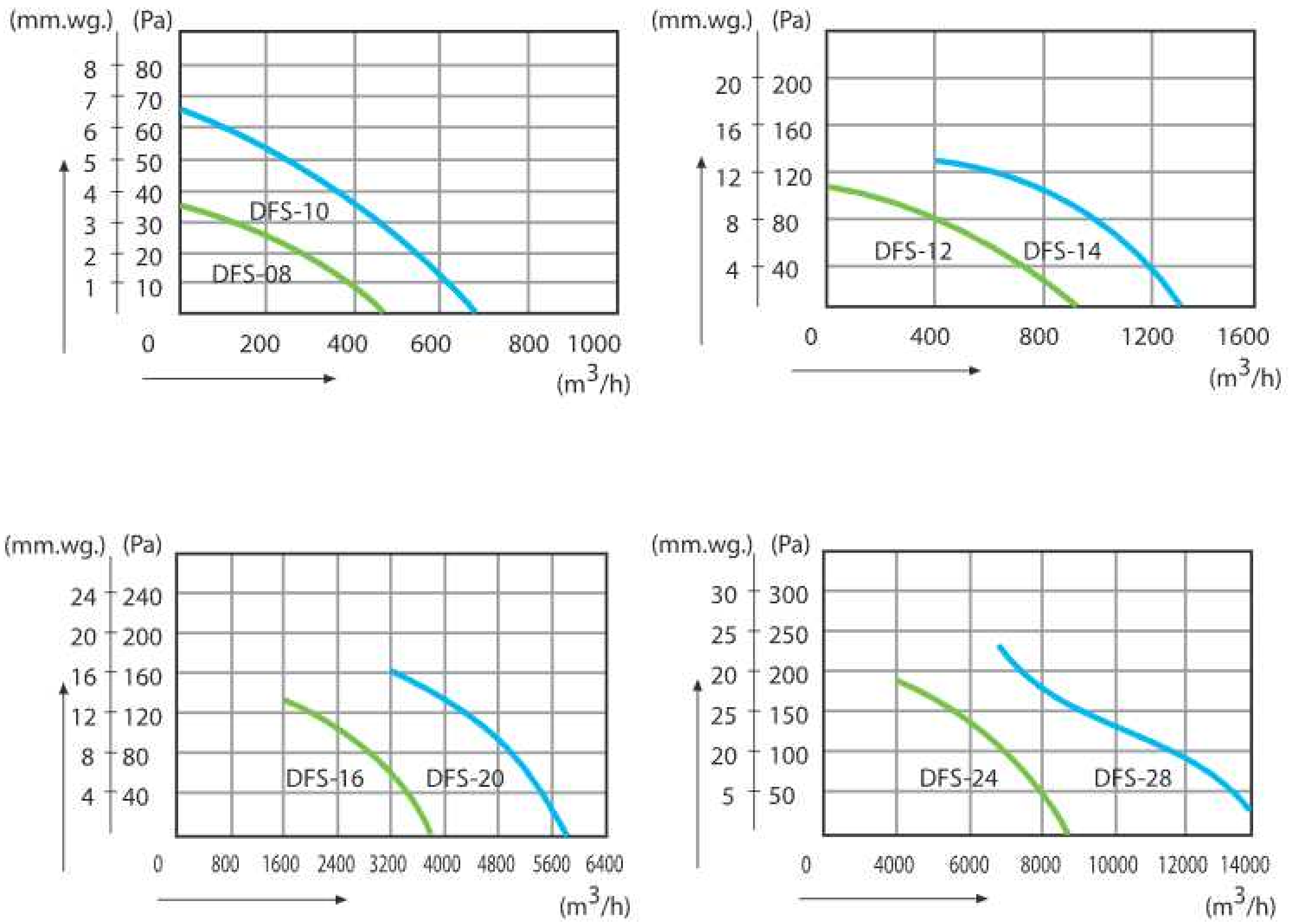
* To avoid burning-out exhaust winding, ensure that the voltage and frequency is in accordance with local supply voltage.
* Before switched on, see if abnormality is found, seek the cause and fix it before use.
* After switched on, see if the rotating direction of blades is in the correct direction in order to avoid accident caused by loosening of locking blades.

Any Changes Of Specification Without Further Notice

Drum Fan Standard

Performance Curve

DFS



Drum Fan Extra Low Noise

This type of exhaust and is suitable for air circulation in factory, workshop, Warehouse, hospital, laboratory and public place. They can be installed on the wall or in the pipeline.

The exhaust and drum fan have the advantages of high air volume, power economy, extra low -noise and stability operation. All exhaust and drum fan have been tested under many different harsh condition to ensure the product performance and quality.

Specification

MODEL	BLADE DIA. (inch)	CAPACITY (m3/h)	VOLT (V)	POWER (W)	SPD (RPM)
FAC 4-25Y	250	1200	220	60	1400
FAC 4-30Y	300	1680	220	70	1400
FAC 4-35Y	350	1980	220	120	1400
FAC 4-40Y	400	3900	220	200	1400
FAC 4-45Y	450	5400	220	350	1400
FAC 4-50Y	500	7320	220	550	1400
FTAC 4-50Y	500	7320	380	550	1400
FTAC 4-60Y	600	7200	220	300	960
FTAC 4-60Y	600	7200	380	300	960

Application

The Axial Roof Fan range are suitable for many roof extract or supply ventilation applications including :

* Commercial Office.
* Shopping Malls.
* Leisure Facilities.
* Kitchens.
* Agricultural Buildings Ventilation.

Blade Design (Low Noise)

Any Changes Of Specification Without Further Notice

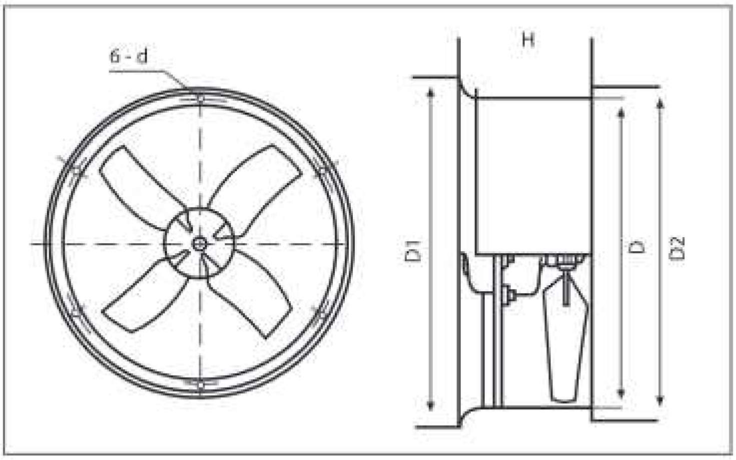
Drum Fan Flame Proof

DFFP

The DFFP Range of fans is specifically designed for the ventilation / extraction of potentially hazardous

Specification

Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
DFFP-16/1	1350	2880	150	220 / 50	65
DFFP-16/3	1350	2880	130	380 / 50	65
DFFP-20/1	1350	5700	350	220 / 50	70
DFFP-20/3	1350	5700	300	380 / 50	70
DFFP-24/1	1350	8700	650	220 / 50	76
DFFP-24/3	1350	8700	600	380 / 50	76



Motors

Flameproof motors types

* Three Phase 230/400V 50Hz, available in 4 poles
* Single Phase 230V 50 Hz, available in 4 poles
* IP44 protection.
* Class B insulation system
* Al motors are supplied with cable gland in accordance to the standarts required for the type of motor used

Dimension of Parts

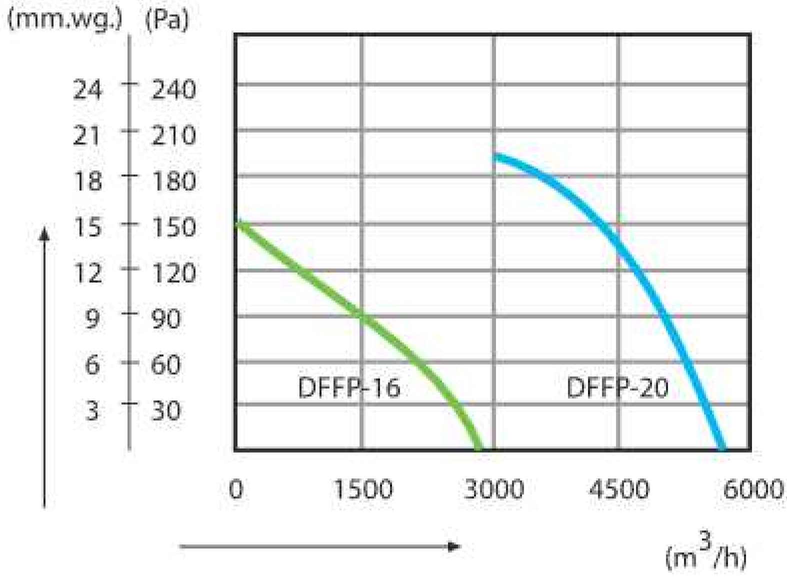
Model	d	D	D1	D2	H
DFFP-16/1	8	440	505	465	300
DFFP-16/3	8	440	505	465	300
DFFP-20/1	8	540	615	567	270
DFFP-20/3	8	540	615	567	270
DFFP-24/1	8	650	700	670	287
DFFP-24/3	8	650	700	670	287

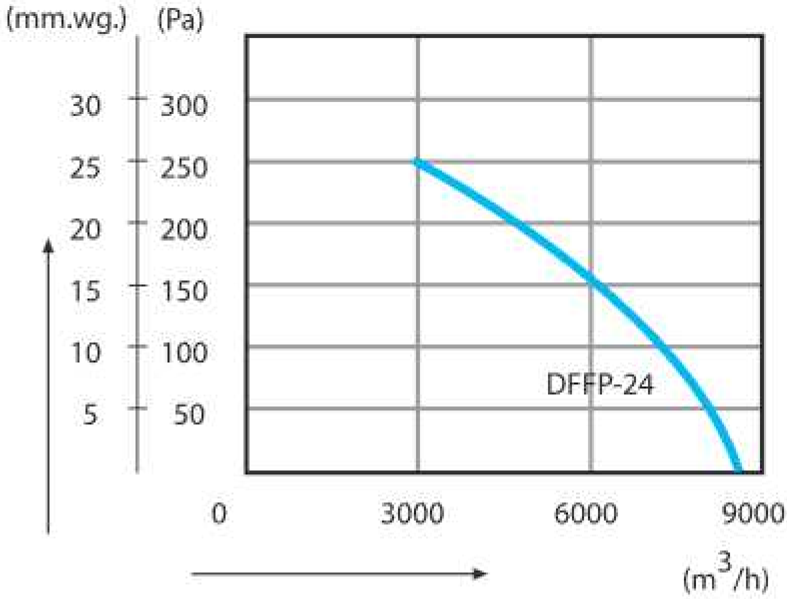
Dimension : mm

Drum Fan Flame Roof

Performance Curve

DFFP





Caution

* To avoid burning-out, the fameproof fan should be mounted at least 2.3 M above the floor.
* Before using, check the blades to make sure thet tfie distance between the bade and cylinder wall or frame is equal and does not touch each other.
* Make sure that the voltage and frequency comply with its nameplate
* Check Rdc insulation value of the motor, if it is ess than 2 mohm, place the motor inside the oven for drying. After it reach to 2 mohm, motor is ready for use.
* A flameproof switch must be equipped and common switch should be placed in non flammable area.

Turbine Ventilator

CKE Turbine Ventilator is a kind of exhaust fan or roof fan, which it function to draw out heat air, dust, and work as ventilation / air circulation.

FEATURE:

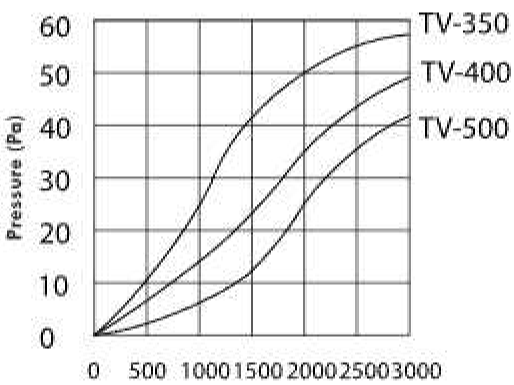
- Solved heat air problem, dirty and musty within in-door, reduce moisture.
- Free charge electricity
- Free maintenance
- Anti — corrosion , anti —noise
- Make office more convenient (normal / descent air circulation
- Suitable for any roof applications

CKE Turbine Ventilator will spinning even with weakest wind flow. It is caused by air pressure indoor and outdoor, where naturally heat air indoor will flow and press out through turbine fin.

Specification

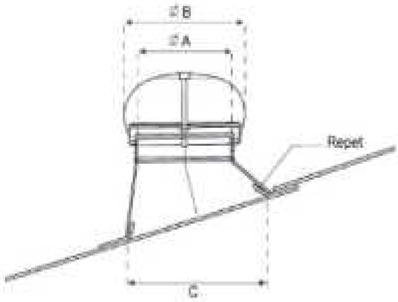
Model	Diameter (inch/mm)
TB-V350MM	14/350
TB-V400MM	16/400
TB-V500MM	20/500

Performance Curve



Performance Curve

Dimension of Parts

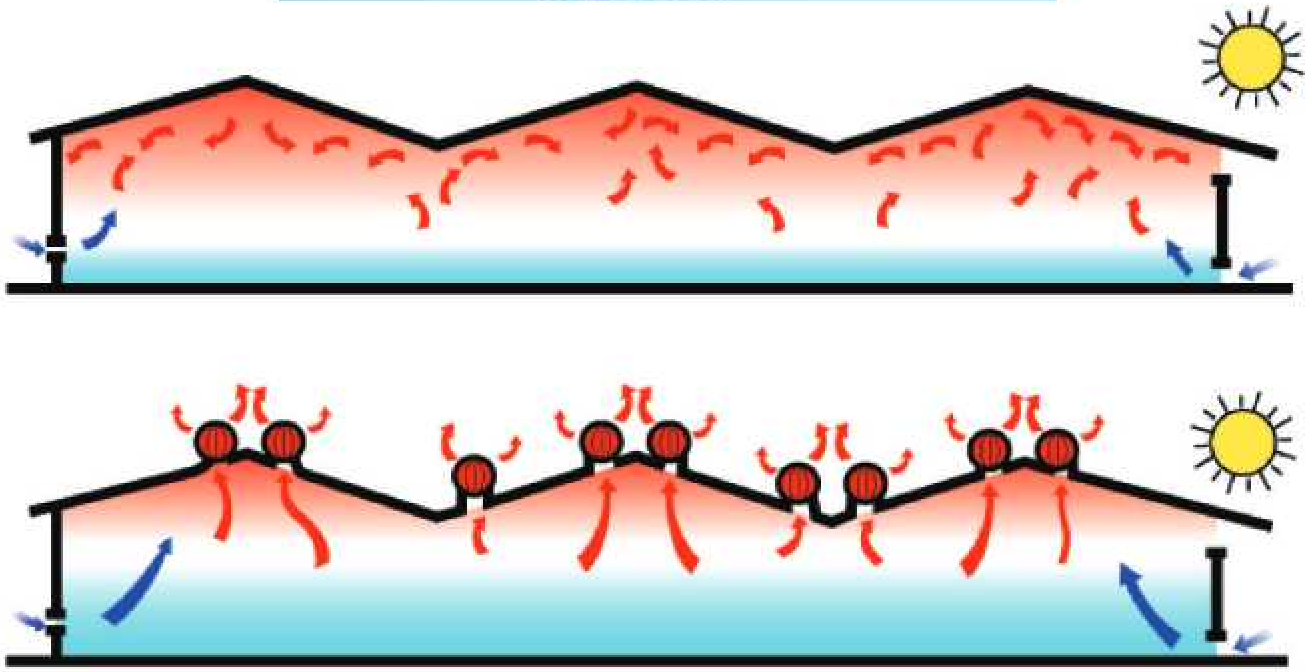


Turbin Ventilator

MODEL	A	B	C	D	E
TV 14"	355	445	400	1000	1000
TV 16"	410	510	450	1000	1000
TV 20"	510	620	560	1000	1000

Dimension

How It's Work



Portable Ventilator

The portable ventilator is made with die-cast aluminum alloy blade with gradual twisted airfoil cross section. It features high wind flow and pressure. The motor housing uses aluminum alloy structure, whih helps reduces heat and reduce the overall weight of the unit. The unit can be equipped with fixed support and/or movable support. The fan can also be equipped with fire retardant flexible tube (duct) with two kinds of length, 5 m and 10 m. The fan is portable type, which can be easily moved from one place to another.

Portable Ventilator

Specification

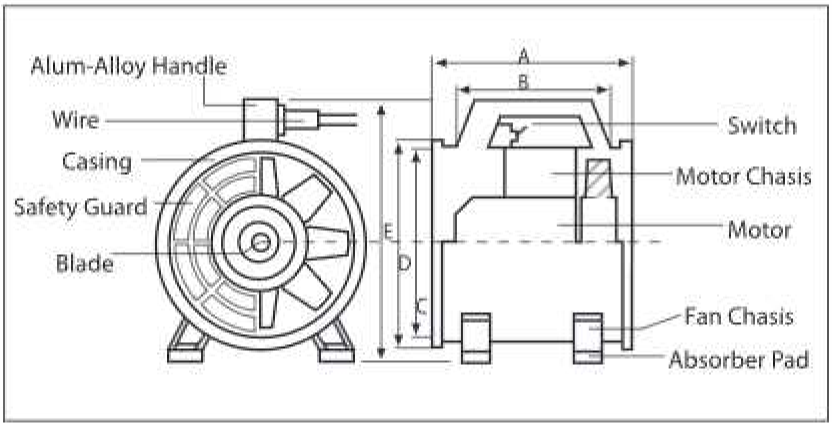
Model	Speed (RPM)	Air Vol (CMH)	Power (W)	Rating (V/Hz)	Noise dB(A)
PV-(S)-08/15	2800	1505	150	220/50	70
PV-(S)-10/32	2800	2584	320	220/50	72
PV-(S)-12/52	2800	3604	520	220/50	75
PV-(S)-16/1	2800	5401	1200	220/50	79
PV-(S)-18/1	2800	7511	1700	220/50	82

Flexible Duct

Available in 5 and 10 meters

This fan is suitable for air extraction, dust collection, fresh air supply in different locations such as underground warehouses, tunnels, chemical labs, ships, cabins, and many more.

Dimension of Parts



Model	A	B	C	D	E
PV-(S)-08/15	290	248	200	220	295
PV-(S)-10/32	290	248	250	270	350
PV-(S)-12/52	358	248	300	320	405
PV-(S)-16/1	465	205	410	435	470
PV-(S)-18/1	460	205	450	480	520

Dimension : mm

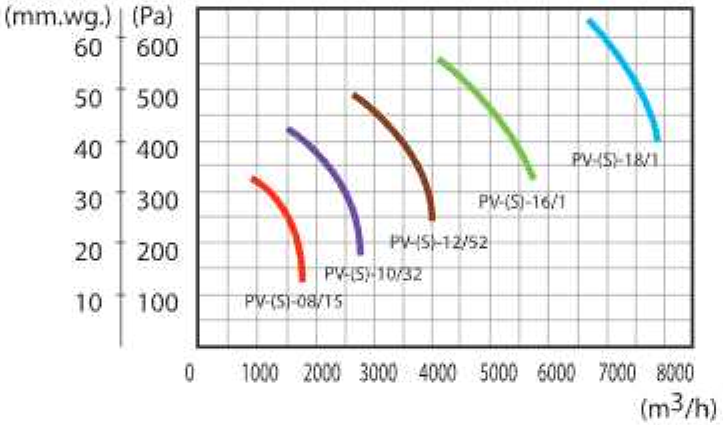
Motors

* Single Phase 230 50Hz
* IP44 protection, Class B

Any Changes Of Specification Without Further Notice

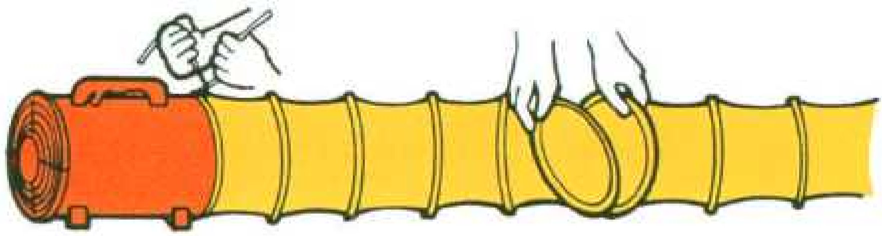
Portable Ventilator

Performance Curve



Connection Method For Flexible Tube

Connect the tube to the wind discharge port of the ventilator and then secure the connection with string or wire



Maintenance and Warranty

While not in use, the ventilator should be wiped, properly packed and placed in a clean and ventilating place, so as to avoid being damaged.

Car Park Blower

CPB

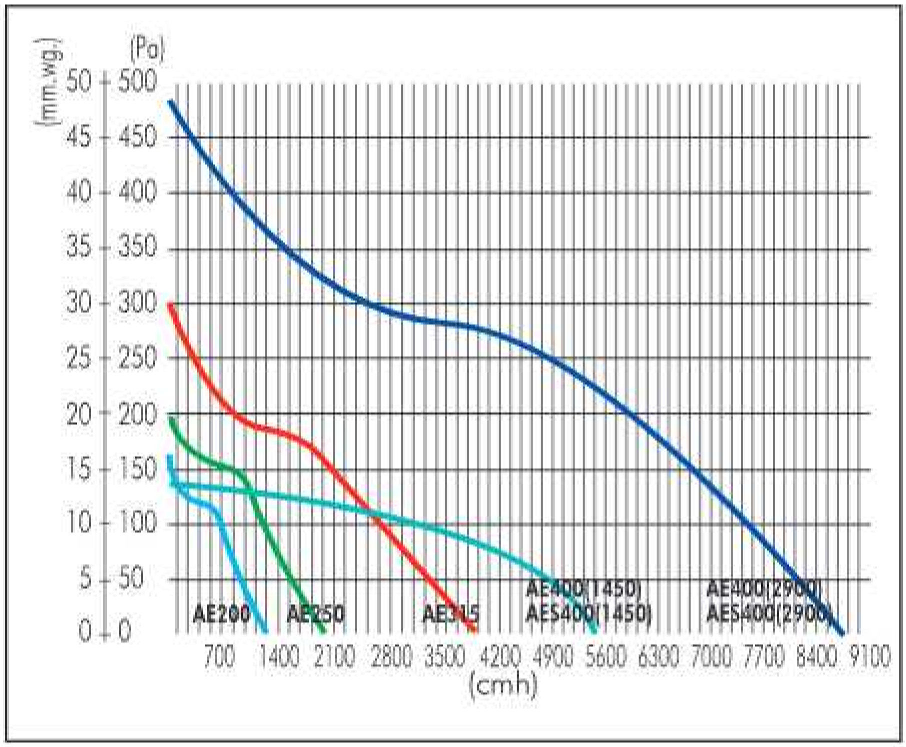
Efficient and cheaper alternative for conventional axial blower

CKE Car Park Blower is the latest modern equipment used for air circulation system. It is mainly used in parking basement where it provides. Simple Ductless Installation this reducing the cost needed for ducting and installation of conventional axial axial blower.

It can also be used in Industrial factories, warehouse and other places where supplying and maintaining constant air circulation around the area is needed CKE Car Park Blower is an efficient power saving blower capable of of producing high wind pressure that can reach area as far as 218-610 m3 yet maintaining a constant low noise level around 58db. Its wide range of usage combines with simple installation procedures makes this makes this blower the best selection for air circulation system.

Specification

MODEL	SPEED	AIR VOL.	STATIC PRESS.	POWER	RATING	NOISE	WEIGHT
	(RPM)	(CMH)	(Pa)	(kW)	CV/Hz)	CdB(A))	(KG)
AE200	2900	1360	150	0.12	220/50	50	15
AE250	2900	1998	190	0.21	220/50	59	26
AE315	2900	3800	300	0.55	380/50	69	32
AE400	1450	5300	130	0.37	380/50	62	92
AE400	2900	8600	480	1.50	380/50	72	102
AES400	1450	5300	130	0.37	380/50	62	84
AES400	2900	8600	480	1.50	380/50	72	94



BUILDING & INDUSTRIAL

Axial Fan | Roof Fan | Cabin Axial Fan

LC Series Description

LC series offer you completely range of fan system and wide options accessories for impellers and hubs as accessories, for all kind of applications and demands. All series assembling with "Breezax" impeller high efficiency up to 80% even more. Project application during 80 years prove actually performance, promote to use for lot of important project.

We also supply special impeller for wide application to original equipment manufacture (OEM), e.g. the cooling Equipment for all kinds of Heat Exchanger, Deduction, Compressor, Refrigatory, Cooling Tower, Air Cooling type Heat Pump etc. All of customers are stisfied with performance and qualified e.g. lister (diesel engine) and S.H.E (cooling equipment).

Breezax and Breezmax Impeller

Breezax blades is made by the material 4 options :GRP, GRN, AL, Anti Static GBN

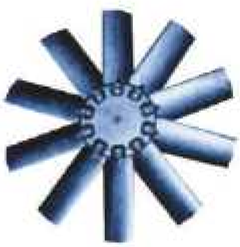
GRP Glass Reinforced Polypropylene Blades (Red)

Our normal GRP blades are made by glass reinforced polypropylene,they operate safely in the range of -40°C to +70°C. Polypylene can be expose to some olefin acid and lye, even contact oil and all kinds of matter organic such as alcohol ketone arene and hydrogen chloride because of chemical stability. To operate safely the recommended maximum lade tip linear velocity is 105m/s.

GRN Glass Reinforced Nylon Blades (Black)

Glass Reinforced nylon blades 66(black) are high strength and high temperature resistance (resist nonthermal radiation from -40°C to +150°C). The normal Breezax of GRN blades can be used in situation of superior speed. To operate safely the recommended maximum lade tip linear velocity is 105m/s.

Al Aluminium Blades



Breezax and Breezamax blades are made by air cast aluminum (LM6). Both blades can be used in fire fighting exhaust when the temperature of situation reached 400°C after you confirmation, furthermore operating continously within -40°C to +200°C. To operate safely the recommended maximum lade tip linear velocity is 100 m/s.

GRN-ATI Antistatic Axial Fan

GRN-ATI Blades with antistatic performance was made by special material, applied to similar "potential blast environment", and dangerous circumstance that is gas and dust steam what can cause to explode because of accidental spark. The 20% of glass fiber packing and add quantitative percentage of carbon black are adopted in blades, fire proof motor will match up antistatic blades.

Balance and Rotating

The dynamic balance of all Axial Fans are according to ISO1940 G4.0. We provide left and right rotating blades, compose disrotatory jet-flow fan as requirement of customer, static pressure can reach 2.5 times, doubled motor power at the moment.

Characteristic

High efficiency, full static adjustable blades, aerofoil blades have low noise, multipurpose,sturdy construction,produced with pattern can make good symmetry,smooth running

Test Criteria and Performance

We adopt famous axial impeller manufacturer fan impellers are produced since 1928 tobe our central parts.

The data of the impeller performance and type selection software are approved by AMCA (Air Movement and Control Association), the performance in catalogue are for standard, fan are tested in the way of international standard BS 848 Part 1:1980.

Hub System

The series axial fan has completely static adjustable impeller, 6 standard hub series as following:

Hub Type	Number of blades
110	5 Breezmax Blades
160	5,10 Breezmax Blades
230	3,6,12 Breezmax Blades
250	3,6,12 Breezmax Blades
330	4,8,12,16 Breezmax Blades
400	4,8,12,16 Breezmax Blades

Blade Design/Type

We have several options blades design as following:

Design Type	Material	Hub Series
Breezax,S	GRP/GRN	110,160,230
Breezax,B	ALU	110,160,230
Breezax,A	GRP/GRN	110,160,230
Breezmax,A	GRN	250,330
Breezmax,A	ALU	250,330
Breezmax,T	ALU	250,330
Breezmax,C	GRP/ALU	400

Casing, Motor

The casing of "LC" series axial fans is roller forming by low-carbon steel that thickness is from 2mm to 5mm or EG board. Our standard casing surface is according to color RAL7030 to paint with epoxy resin, or galvanized as the demand of customers.

Long *Housing Low* Noise *Axial Fan*

ADT

Application

This type fan is especially suitable for dirty air exhaust, ventilation, dry air and all the situation of transfer much more air under low and middle pressure drop.

Structure

Impeller is mounted with motor directly, The motor locate in the housing which is welding by sheet metal, The blades is made of the material as GRP,GRN,AL etc. Fit with the double fange on the housing and static adjustable blades

Working temperature

-40oC ~+70oGGRP

-40oC~+150oGGRN

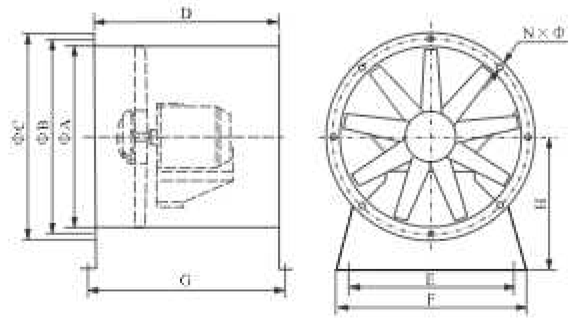
-40oC ~+200oC:ALU

Motor

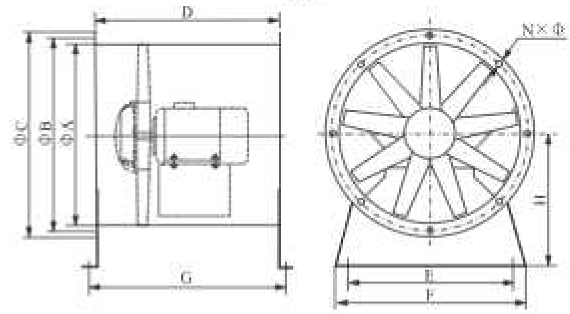
3 phase 220/380/415/460V, 50/60Hz,and other requested frequency and voltage

Air Flow direction

Normally condition, The fan's air flow is running from motor to impeller direction (A),According to the demand we aso can supply the fan's air flow is running from the impeler to the motor direction (B)



7.5KW



7.5KW

FAN TYPE	A	B	C	D	E	F	G	H	N°	Φ	Weight (Kg)	Max.motor frame size
ADT250	260	290	320	300	170	230	310	180	8	10	5	D71
ADT315	325	355	385	355	265	295	375	210	8	10	8	D71
ADT355	365	395	425	355	290	335	375	235	8	10	10	D80
ADT400	410	440	470	355	304	380	375	255	8	10	11	D90S
ADT450	460	500	540	400	375	430	420	290	8	10	14	D90L
ADT500	510	550	590	500	415	480	520	315	12	10	18	D90L
ADT560	570	610	650	500	460	540	525	345	12	10	22	D112M
ADT630	640	680	720	500	530	610	525	380	12	10	24	D112M
ADT710	720	760	800	500	616	690	525	420	18	14	40	D112M
ADT800	810	860	910	630	700	780	654	485	18	14	49	D132M
ADT900	910	960	1010	630	800	880	625	535	18	14	66	D160M
ADT1000	1010	1060	1110	630	900	980	652	590	18	14	73	D160M
ADT1120	1130	1180	1230	900	1020	1100	934	650	18	14	135	D225M
ADT1250	1260	1310	1360	1000	1050	1230	1034	720	18	14	170	D250M
ADT1400	1410	1460	1510	1120	1200	1380	1158	795	18	14	220	D250M
ADT1600	1610	1660	1710	1250	1400	1580	1288	895	18	14	275	D250M
ADT1800	1810	18560	1910	1250	1600	1780	1288	995	18	14	500	D250M

Any Changes Of Specification Without Further Notice

Shorter Housing Low Noise Axial Fan

APD

Application

This type fan is especially suitable for dirty air exhaust, ventilation, dry air and all the situation of transfer much more air under low and middle pressure drop.for exaple transformer cooling, air chiller heat pump cooling, some special situation ventilation mounted on the wall

Structure

Axial Fan, Directly drive, the blade is made of the material as AL,GRP,GRN. Adjustable blades and economic short housing structure, fit with the double flange or single flange on the housing

Working temperature

-40oC —+70oC:GRP

-40oC~+150oC:GRN

-40oC ~+200oC:ALU

Bifurcated Fans

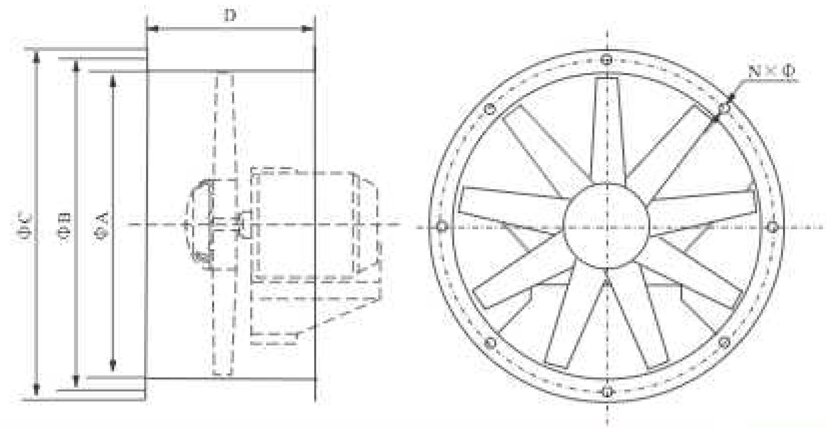
Motor

3 phase 220/380/415/460V, 50/60Hz,and other requested frequency and voltage

Air Flow direction

Normally condition, The fan's air flow is running from motor to impeller direction (A),According to the demand we also can supply the fan's air flow is running from the impeller to the motor direction (B)

Dimension of parts



FAN TYPE	A	B	C	D	N°	Φ
APD250	250	290	320	175	8	10
APD315	325	355	385	175	8	10
APD355	365	395	425	175	8	10
APD400	410	440	470	175	8	10
APD450	460	500	540	175	8	10
APD500	510	550	590	230	12	10
APD560	570	610	650	305	12	10
APD630	640	680	720	305	12	10

FAN TYPE	A	B	C	D	N°	Φ
APD710	720	760	800	305	18	14
APD800	810	860	910	460	18	14
APD900	910	960	1010	460	18	14
APD1000	1010	1060	1110	460	18	14
APD1120	1130	1180	1230	460/650	18	14
APD1250	1260	1310	1360	460/650	18	14
APD1400	1410	1460	1510	650/800	18	14
APD1600	1610	1660	1710	650/800	18	14
APD1800	1810	1860	1910	650/800	18	14

Low Noise Roof Fan

ARD

Application

Directly drive. Circular cylindrical casing with square steel base plate or fixed above horizontal base, or installed according to the roof pitch. The fan is coated with varnished, installed with a rain cover which suitable for abominable conditions.

Working temperature

-40oC ~+70oC:GRP

-40oC~+150oC:GRN

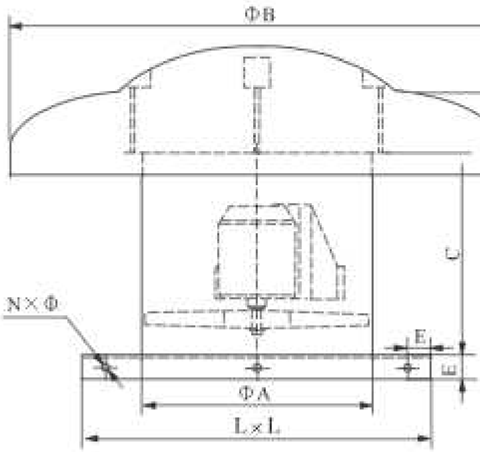
-40oC ~+200oC:ALU

Motor

3 phase 220/380/415/460V,50/60Hz

and other requested frequency and voltage.

Dimension of parts



FAN TYPE	A	B	C	D	E	L	N°	Φ	Weight (Kg)	Max. motor*
ARD 400	410	940	355	180	40	600	8	10	22	D90L
ARD 450	460	940	400	180	40	660	12	10	25	D90L
ARD 500	510	940	500	180	40	730	12	10	29	D112M
ARD 560	570	940	500	180	50	810	12	10	39	D112M
ARD 630	640	1000	500	180	50	895	12	10	43	D132S
ARD 710	720	1240	500	220	50	990	12	10	64	D132S
ARD 800	810	1390	630	210	63	1100	12	10	89	D132M
ARD 900	910	1390	630	210	63	1235	12	10	107	D160M
ARD 1000	1010	1680	630	330	63	1375	12	10	135	D160M
ARD 1120	1130	1680	900	330	75	1550	12	10	203	D225M
ARD 1250	1260	1890	1000	400	75	1710	12	10	292	D250M
ARD 1400	1410	1890	1120	400	75	1800	12	10	409	D250M
ARD 1600	1610	1890	1250	400	75	1975	12	10	550	D250M
ARD 1800	1810	2450	1250	500	75	2200	12	10	700	D250M

Any Changes Of Specification Without Further Notice

High Temperature Resistant Fan

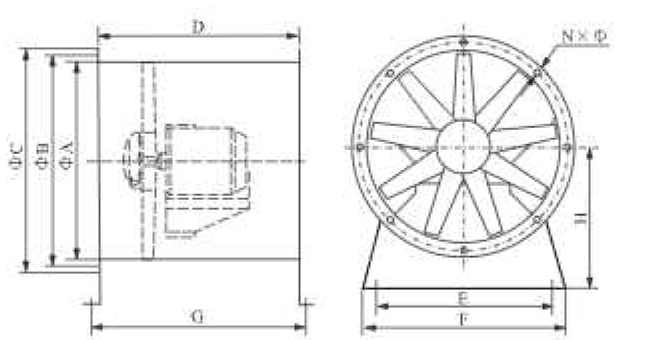
ADF

The fan casing is roll bending with thick cross secting mild steel plate, the counter flange for the inlet/outle t is roll bending in the same process, the casing surface is stoving varnished with epoxy resin. High efficiency axial impeller is used cast aluminium HUB and adjustabl e airofoil type cross section aluminium alloy vane.

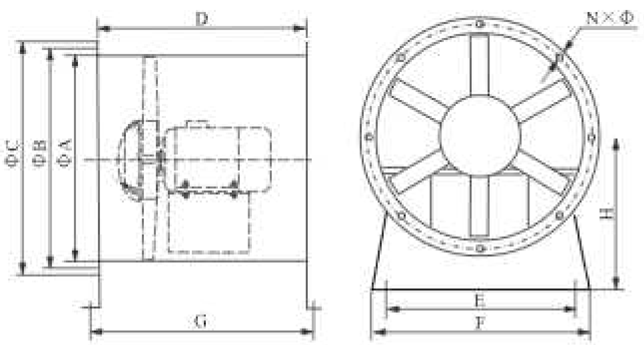
All Impeller have passed the dynamic balance testing according to ISO 1940-G4.0 and AMCA 204-95 standard.

The Motor is fully enclosed fanout free squirrel cage type and high temperatur e resistant, the appearance and dimension is designed according to IEC, the insulation class is H, protectio n level is IP55 which in accordance with British standar d BS 7346 Part 2:1990, the motor winding's cable is leading directly to the metal junction box outside the fan casing. The high temperatur e resistant cable is encapsulated with metal soft catheter. ADF series fan has passed the China national testing standards of 280°C for 30 minutes and EURO standards of 400°C for 120 minutes.

Dimension of parts



250~800



900以上

FAN TYPE	A	B	C	D	E	F	G	H	N°	ф	Weight (Kg)	Max. Motor Frame Size
ADF250	260	290	320	300	170	230	310	180	8	10	5	D71
ADF315	325	355	385	355	265	295	375	210	8	10	8	D71
ADF355	365	395	425	355	290	335	375	325	8	10	10	D80
ADF400	410	440	470	355	304	380	375	255	8	10	11	D90L
ADF450	460	500	540	400	375	430	420	290	8	10	14	D90L
ADF500	510	550	590	500	415	480	520	315	12	10	18	D90L
ADF560	570	610	650	500	460	540	525	345	12	10	22	D112M
ADF630	640	680	720	500	530	610	525	380	12	10	24	D132M
ADF710	720	760	800	500	616	690	525	420	18	14	40	D132M
ADF800	810	860	910	630	700	780	654	485	18	14	49	D132M
ADF900	910	960	1010	630	800	880	625	535	18	14	66	D160M
ADF1000	1010	1060	1110	630	900	980	652	590	18	14	73	D160M
ADF1120	1130	1180	1230	900	1020	1100	934	650	18	14	135	D225M
ADF1250	1260	1310	1360	1000	1050	1230	1034	720	18	14	170	D250M
ADF1410	1410	1460	1510	112	1200	1380	1158	795	18	14	220	D250M
ADF1610	1610	1660	1710	1250	1400	1580	1288	895	18	14	275	D250M
ADF1800	1810	1860	1910	1250	1600	1780	1288	995	18	14	500	D250M

Any Changes Of Specification Without Further Notice

Belt Drived

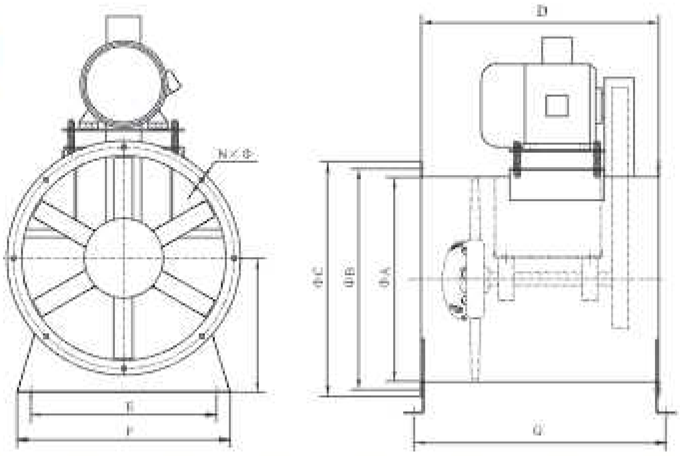
ABE

The fan casing is roll bended with thick cross section mild steel plate, the counter flange for the inlet/outlet is roll bended in the same process, the casing surface is stoving varnished with epoxy resin. High efficiency axial impeller is made cast aluminium HUB and adjustable airofoil type cross section aluminium alloy vane.

All Impeller have passed the dynamic balance testing standards ISO 1 940-G4.0 and AMCA 204-95

Belt drived structure, the motor is located outside of the casing, simple structure, convenient maintenance. This type can be used for extracting high temperature, high humidity and corrosive gas.

Dimension of parts



FAN TYPE	A	B	C	D	E	F	G	H	N°	ф	Max. Motor Frame Size
ABE315	325	355	385	455	265	295	475	231	8	ф10	D71
ABE355	365	395	425	455	290	335	475	262	8	ф10	D80
ABE400	410	440	470	455	304	380	475	297	8	ф10	D90L
ABE450	460	500	540	500	375	430	520	332	8	ф10	D90L
ABE500	510	550	590	600	415	480	620	350	9	ф10	D112M
ABE560	570	610	650	600	460	540	625	388	12	ф10	D112M
ABE630	640	680	720	600	530	610	625	439	12	ф10	D132S
ABE710	720	760	800	600	616	690	625	490	18	ф14	D132S
ABE800	810	860	910	730	700	780	754	508	18	ф14	D132M
ABE900	910	960	1010	730	800	880	752	571	18	ф14	D160M
ABE1000	1010	1060	1110	730	900	980	752	659	18	ф14	D160M
ABE1120	1130	1180	1230	1000	1020	110	1034	685	18	ф14	D250M
ABE1250	1260	1310	1360	1100	1050	1230	1134	799	18	ф14	D250M
ABE1400	1410	1460	1510	1220	1200	1380	1258	865	18	ф14	D250M
ABE1600	1610	1660	1710	1350	1400	1580	1388	965	18	ф14	D250M
ABE1800	1810	1860	1910	1350	1600	1780	1388	1075	18	ф14	D250M

Any Changes Of Specification Without Further Notice

Split Cutoff Axial Fan

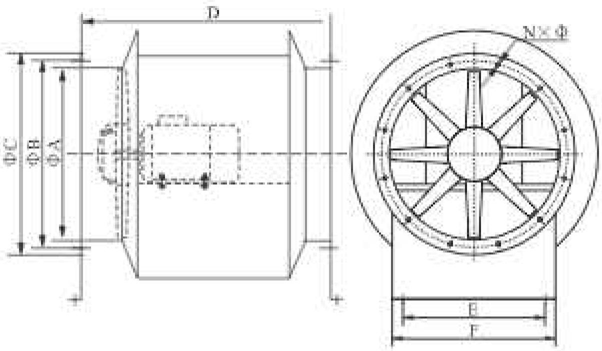
ADB

The fan casing is roll bended with thick cross section mild steel plate, the counter flange for the inlet/outlet is roll bended in the same process. The casing surface is stoving varnished with epoxy resin. High efficiency axial impeller is made of cast aluminium HUB and adjustable airofoil type cross section aluminium alloy vane.

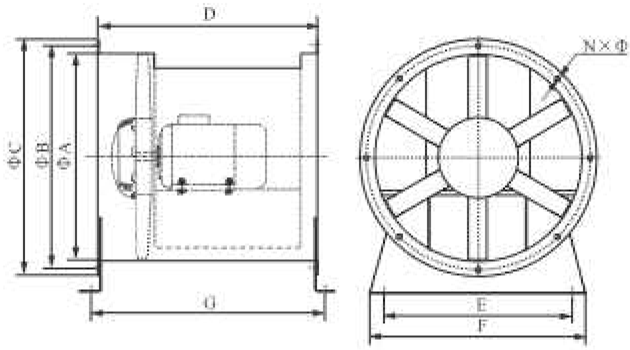
All Impeller have passed the dynamic balance testing standards ISO 1 940-G4.0 and AMCA 204-95.

The fan casing has proprietary structure. The motor is enclosed in a separate space, keeping the gas from flowing through the motor surface, this kind of structure is suitable for high temperature, high humidity and corrosive environtment.

Dimension of parts



ADB315–ADB500



ADB560–ADB1800

FAN TYPE	A	B	C	D	E	F	N°	ϕ	Max. Motor Frame Size
ADB800	810	860	910	780	700	780	18	ϕ14	D132M
ADB900	910	960	1010	900	800	880	18	ϕ14	D160M
ADB1000	1010	1060	1110	980	900	980	18	ϕ14	D160M
ADB1120	1130	1180	1230	1300	1020	1100	18	ϕ14	D225M
ADB1250	1260	1310	1360	1400	1050	1230	18	ϕ14	D250M
ADB1400	1410	1460	1510	1400	1200	1380	18	ϕ14	D250M
ADB1600	1610	1660	1710	1400	1400	1580	18	ϕ14	D250M
ADB1800	1810	1860	1910	1400	1600	1780	18	ϕ14	D250M

Cabin Axial Fan

CAS

Construction

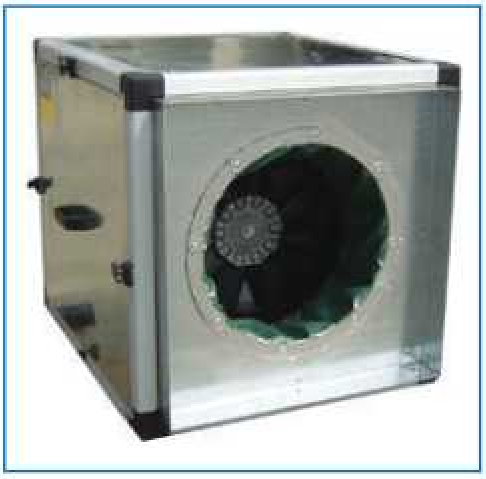
CAS series Cabin Axial Fan consist of one directly driven LC Axial fan and an. insulated cabin. There are three types of material for the impeller: GRP,GRN and AL , the vane's angle can be adjusted manually. The service door and sight hole can be customized. This type of fan is compact, low noise, maintenance free for a long time, easy installation. If customer has higher requirement of noise, more silencer can be added.

Motor

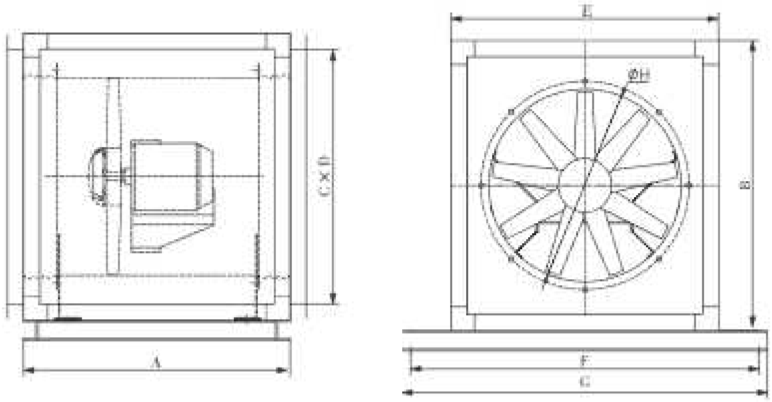
This series of fan has an enclosed type of three phase asynchronous motor. Insulation class F, protection lever IP *55*, when the motor power < *7.5* KW,the motor will be startied directly, f the motor power > *7.5* KW, it will be star delta-reduced voltage starting.

Air flow direction

Normally the fan's air fow is running from impeller to motor (B). As requested we also supply fans with air flow running motor to impeller (A).



Dimension of parts



MODEL	A	B	C	D	E	F	G	H	Kg	Motor Framesize
CAS315	555	595	515	515	595	795	835	325	53	D71
CAS355	555	635	555	555	635	835	875	365	62	D80
CAS400	555	680	600	600	680	880	920	410	68	D90L
CAS450	600	730	650	650	730	930	970	460	79	D90L
CAS500	700	780	700	700	780	980	1020	510	102	D112M
CAS560	700	860	780	780	860	1060	1100	570	121	D112M
CAS630	700	930	850	850	930	1130	1170	640	135	D132S
CAS710	700	1010	930	930	1010	1210	1250	720	197	D132S
CAS800	830	1100	1020	1020	1100	1300	1340	810	250	D132M
CAS900	830	1200	1120	1120	1200	1400	1440	910	307	D160M
CAS1000	830	1300	1220	1220	1300	1500	1540	1010	419	D160M
CAS1120	1100	1450	1370	1370	1450	1650	1690	1130	618	D225M
CAS1250	1200	1580	1500	1500	1580	1780	1820	1260	752	D250M
CAS1400	1320	1730	1650	1650	1730	1930	1970	1410	815	D250M
CAS1600	1450	1930	1850	1850	1930	2130	2170	1610	920	D250M
CAS1800	1450	2130	2050	2050	2130	2330	2370	1810	950	D250M

Specification for Axial Fan

model	Speed r/min	Power kw	Phase	Capacity m3/h	Pressure Pa	Noise (db)	Blade type
250/150	2800	0.18	1	720	170	67	CH-6
			2	1080	140	65	
			3	1800	120	67	
		0.25	1	2160	150	70	
			2	2520	130	71	
315/150	2800	0.25	1	1080	270	74	CH-6C
			2	1800	230	73	
			3	2800	130	74	
		0.37	1	2800	200	75	
			2	3200	180	76	
			3	3900	150	78	
		0.55	1	3200	220	76	
			2	3600	200	78	
			3	4000	190	78	
	1440	0.09	1	1450	55	58	
			2	1800	50	60	
			3	2000	50	61	
400/150	2800	1.1	1	4700	440	79	CH-8C
			2	5500	370	78	
			3	6100	280	75	
		1.5	1	5500	390	78	
			2	6100	370	77	
			3	6800	330	80	
		2.2	1	5800	410	80	
			2	6500	400	78	
			3	7300	390	79	
	1400	0.37	1	3100	140	63	
			2	3900	130	64	
			3	4600	110	66	
		0.55	1	3600	160	63	
			2	4500	140	64	
			3	5500	130	65	

Any Changes Of Specification Without Further Notice

Specification for Axial Fan

model	Speed r/min	Power kw	Phase	Capacity m3/h	Pressure Pa	Noise (db)	Blade type
250/150	2800	0.18	1	720	170	67	CH-6
			2	1080	140	65	
			3	1800	120	67	
		0.25	1	2160	150	70	
			2	2520	130	71	
315/150	2800	0.25	1	1080	270	74	CH-6C
			2	1800	230	73	
			3	2800	130	74	
		0.37	1	2800	200	75	
			2	3200	180	76	
			3	3900	150	78	
		0.55	1	3200	220	76	
			2	3600	200	78	
			3	4000	190	78	
	1440	0.09	1	1450	55	58	
			2	1800	50	60	
			3	2000	50	61	
400/150	2800	1.1	1	4700	440	79	CH-8C
			2	5500	370	78	
			3	6100	280	75	
		1.5	1	5500	390	78	
			2	6100	370	77	
			3	6800	330	80	
		2.2	1	5800	410	80	
			2	6500	400	78	
			3	7300	390	79	
	1400	0.37	1	3100	140	63	
			2	3900	130	64	
			3	4600	110	66	
		0.55	1	3600	160	63	
			2	4500	140	64	
			3	5500	130	65	

Specification for Axial Fan

model	Speed r/min	Power kw	Phase	Capacity m3/h	Pressure Pa	Noise (db)	Blade type
1250/320	960	11	1	50000	420	86	DH-12D
			2	55000	400	87	
			3	60000	380	87	
		15	1	55000	490	88	
			2	65000	450	88	
			3	75000	410	88	
		18.5	1	60000	530	89	
			2	66000	500	90	
			3	72000	490	91	
		22	1	75000	560	92	
			2	80000	520	93	
			3	90000	470	93	
	720	7.5	1	46000	310	83	
			2	52000	290	84	
			3	58000	270	84	
		11	1	60000	330	86	
			2	65000	310	87	
			3	70000	290	87	
1400/440	960	22	1	75000	600	93	DH-14D
			2	80000	560	94	
			3	86000	500	95	
		30	1	80000	670	95	
			2	90000	640	96	
			3	100000	600	96	
		37	1	95000	730	98	
			2	108000	680	99	
			3	120000	630	99	
	720	11	1	58000	350	85	
			2	63000	320	86	
			3	69000	300	87	
		15	1	70000	410	87	
			2	80000	380	88	
			3	90000	350	88	

Any Changes Of Specification Without Further Notice

Specification for Axial Fan

model	Speed r/min	Power kw	Phase	Capacity m3/h	Pressure Pa	Noise (db)	Blade type
1600/500	960	30	1	88000	690	95	HJ-18H
			2	95000	650	96	
			3	105000	600	96	
		37	1	95000	740	96	
			2	105000	690	96	
			3	120000	660	96	
		45	1	110000	800	97	
			2	125000	760	97	
			3	140000	700	97	
		55	1	135000	860	98	
			2	150000	780	98	
			3	170000	750	98	
	720	15	1	75000	400	88	
			2	85000	350	89	
			3	100000	310	89	
		18.5	1	90000	430	90	
			2	105000	370	90	
			3	120000	320	91	
		22	1	100000	430	91	
			2	120000	390	92	
			3	135000	350	92	
1800/500	720	22	1	110000	420	92	HJ-18H
			2	130000	360	93	
			3	150000	310	93	
		30	1	130000	470	94	
			2	150000	400	94	
			3	170000	310	95	
		37	1	150000	480	96	
			2	170000	430	97	
			3	190000	390	98	

Any Changes Of Specification Without Further Notice

Picture for Axial Fan's Blade

CH - 6C

CH - 8C

AH - 9A

CH - 10C

AH - 12A

DH - 14D

HJ - 18H

SNI

SNI 04-6292.2.80-2006

MEMBER OF

amca INTERNATIONAL

AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL

CKE Mini Axial Inline Direct

CKE®

SINCE 1988

Design By Europe

Extra High Pressure Mini Inline

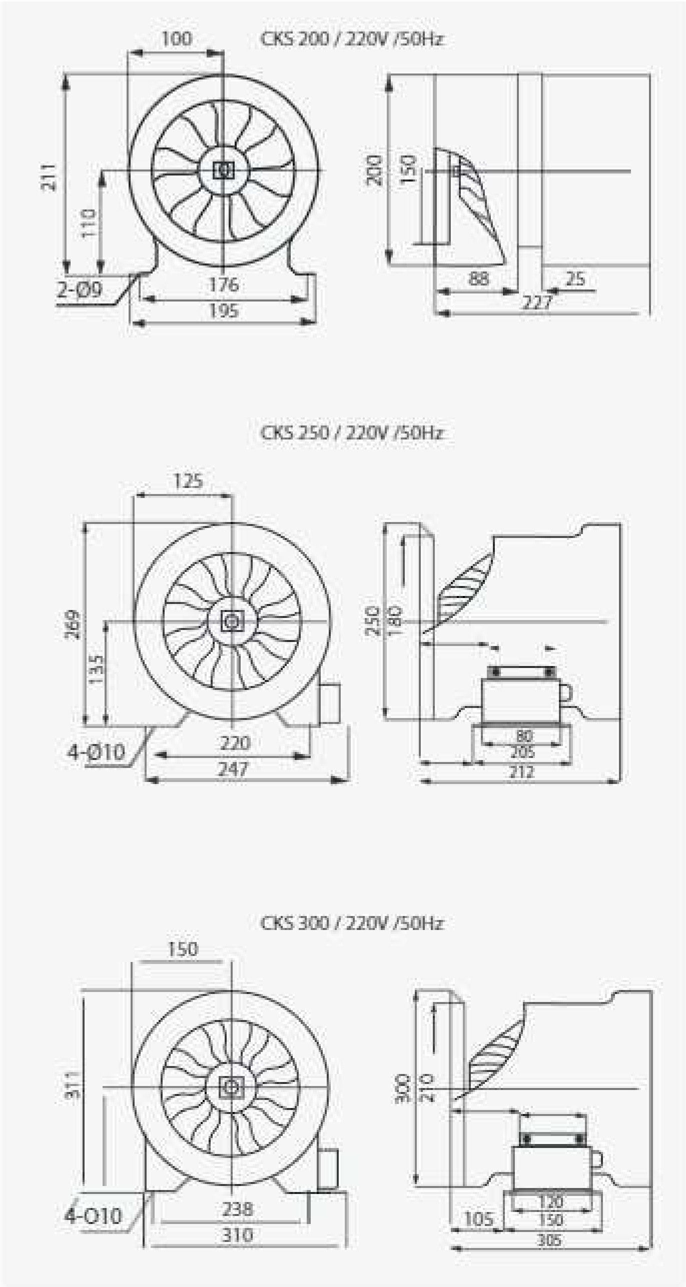
First in Indonesia Market

Mini Axial Inline

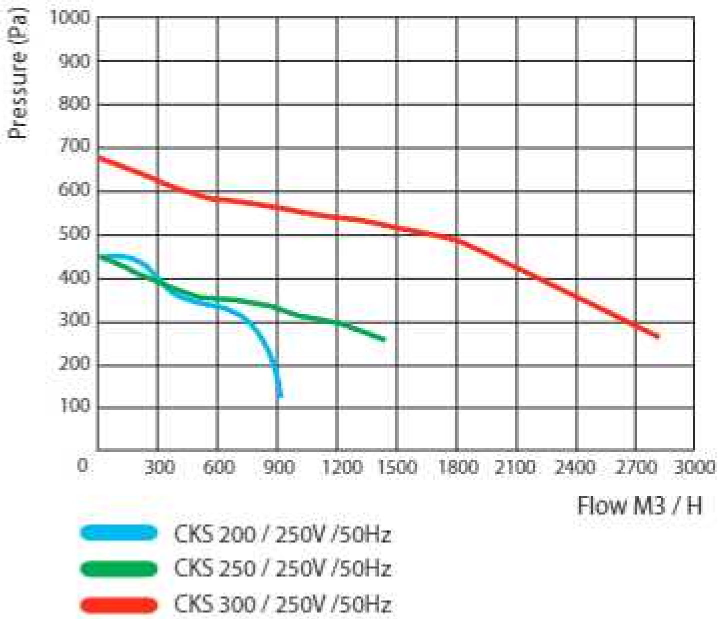
Specification

TYPE	DIAMETER	VOLTAGE	FREQUENCY	POWER	CURRENT	SPEED	AIR FLOW	PRESSURE	NOISE
	Inch	V	HZ	W	A	RPM	M3/H	Pa	DB
CKS 200/1000N1	8"	220	50	120	0,5	2800	1000	366	64
CKS 250/1660N1	10"	220	50	153	0,7	2650	1660	354	62
CKS 300/2760N1	12"	220	50	223	1,4	2900	2760	665	69

Dimension of Parts



Performance Curve



Application