



WING TON FAN INDUSTRY LIMITED



YS SERIES AXIAL FLOW FANS

CATA-AMCA-YS JANUARY ,2021



YS SERIES ADJUSTABLE PITCH AXIAL FLOW FANS

Wing Ton Fan Industry Limited certifies that

the Axial Flow Fan – YS240, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000, 1250 and 1500 shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA Certified Ratings Seal applies to FEG for Models YS400, 450, 500, 560, 630, 710, 800, 900, 1000, 1250 and 1500 only.

The AMCA Certified Ratings Seal applies to air performance and sound for Models YS240, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000, 1250 and 1500 only.



For YS240,315,355



For YS400,450,500,560,630,710,800,900,
1000,1250 and 1500

The **YS Series** of axial flow fans is available in an extensive range of variants and air flow performance. They can be manufactured to handle most conditions from ambient air and can be ordered in 14 sizes (240, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000, 1250 and 1500mm) diameter. They are available in direct drive type.



Typical Applications Commercial and industrial supply or exhaust air applications such as shopping centers, office buildings and car parks, through to industrial processes and equipment ventilation.

FEATURE

A. CASING

- Standard casings are made of steel
- Coated by strong epoxy powder.
- Equipped with complete flange and mounting feet.
- Casings can be stainless steel or durable hot-dipped galvanized steel can be supplied at request.

B. IMPELLER

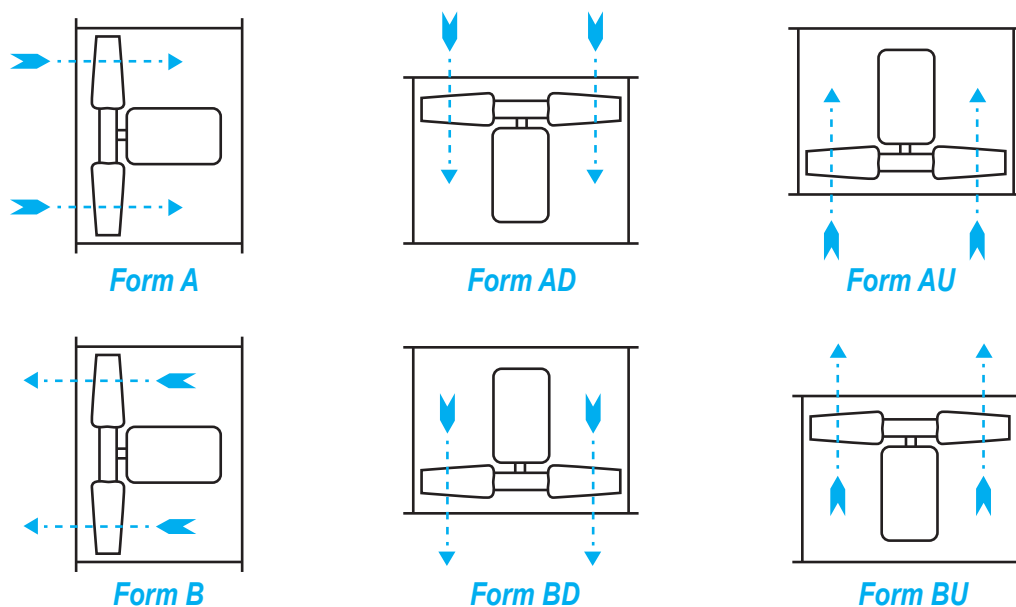
- Most of the impellers are adjustable pitch aero foil section. (except 250 and 300mm)
- Impeller material is made of die cast aluminum.
- With a specific impeller pitch angle, it ensures selections can be made accurately to the specification.

C. MOTOR

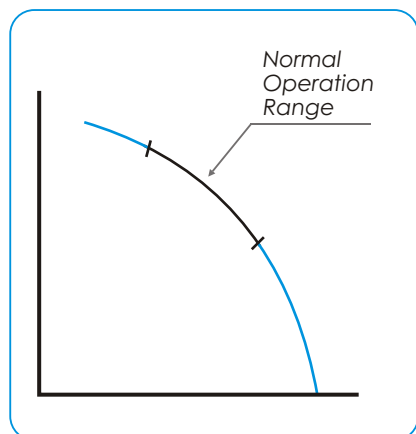
- The standard motors used are foot or pad mounted.
- For normal duty, the motors are of squirrel cage, induction motors to suit virtually any application.
- They are fitted with ball or roller bearings which are fully enclosed and sealed-for life and therefore do not require maintenance.
- Motors are generally wound for 380V/3ph/50Hz or 220V/1ph/50Hz.
- Insulation to Class F with Class B temperature rise is used throughout, allowing for operation in ambient up to +40°C.

D. DIRECTION OF AIRFLOW

- The standard direction of air flow is Form B, BD and BU. However, Form A, AD and AU can be supplied if required. Motors operating at BD, DU, AD and AU require up thrust bearing. Please inform us in advance if the fans are installed vertically.



Performance for Form B airflow direction are not licensed by AMCA International



The achieved fan performances can differ from the test performances shown on the subsequent due to two main effects:-

- A.) The encroachment of irregular or abrupt changes within the system close to the fan. If good design practice is followed, then the fan will receive nearly uniform air into its inlet and discharge its air flow in an almost ideal pattern. If this is achieved the fan will perform to its expected level.
- B.) Changes to the internal elements of the fan: e.g. large junction boxes on motors, belt drive stacks or excessive blade tip clearances.

Tests were conducted to assess these effects and the generalised impact is shown below for fan selections made within the normal operating region over a wide blade-angle range.



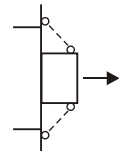
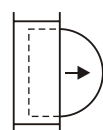
Other Fan Arrangement

Some required duty pressure should be adjusted to account for the below gains / losses before making a selection on the standard performance curves.

Fan Arrangement	Effect on pressure capability	Effect on Total sound level
Single stage fan unit with downstream guide vanes	x 1.25	+ 1dB
Two stage fan unit with intermediate straightener	x 2.00	+ 3dB
Contra-rotating two stage fan unit	x 2.4	+ 8 to 10dB
Bifurcated fan unit	x 0.7	+ 2dB

* Performance for single stage fan unit with downstream guide vanes, two stage fan unit with intermediate straightener, contra-rotating two stage fan unit and Bifurcated fan unit are not licensed by AMCA International.

Standard Accessory Losses

Low loss inlet cone		k'loss 0.2 Form 'A' 0.38 Form B
Flat 'finger type' guard		k'loss 0.75
Coned motor side guard		k'loss 0.4
Non return dampers (airstream) operated		k'loss 0.3 ~ 0.4

* Performance for accessory losses are not licensed by AMCA International.

BELT DRIVEN TYPE AXIAL FLOW FANS (YP SERIES)

- The YP Series of axial flow fans is available in an extensive range of variants and air flow performance.
- In this instance the casing covers the entire length of the impeller and v-belt drive. Motor is mounted outside the fan case.
- They can be manufactured to handle most conditions from ambient air to hot, corrosive or explosive gases and can be ordered in 14 sizes extending from 240 to 1500mm diameter.
- These units of generally specified when it is important to keep the motor away from the airstream generated due either to temperature or the nature of the gases being processed. An additional advantage is that by correctly specifying the positioning of the motor ease of maintenance is assured.
- Commercial and industrial supply or exhaust air applications such as shopping centers, office buildings and car parks, through to industrial processes and equipment ventilation.
- To overcome the duty pressure losses, additional 30% duty pressure should be adjusted to account for the loss before making a selection on the standard performance curves. +2dB will be adjusted due to the effect on total sound level.
- Performance of AP Series Axial Flow Fans are not licensed by AMCA International.

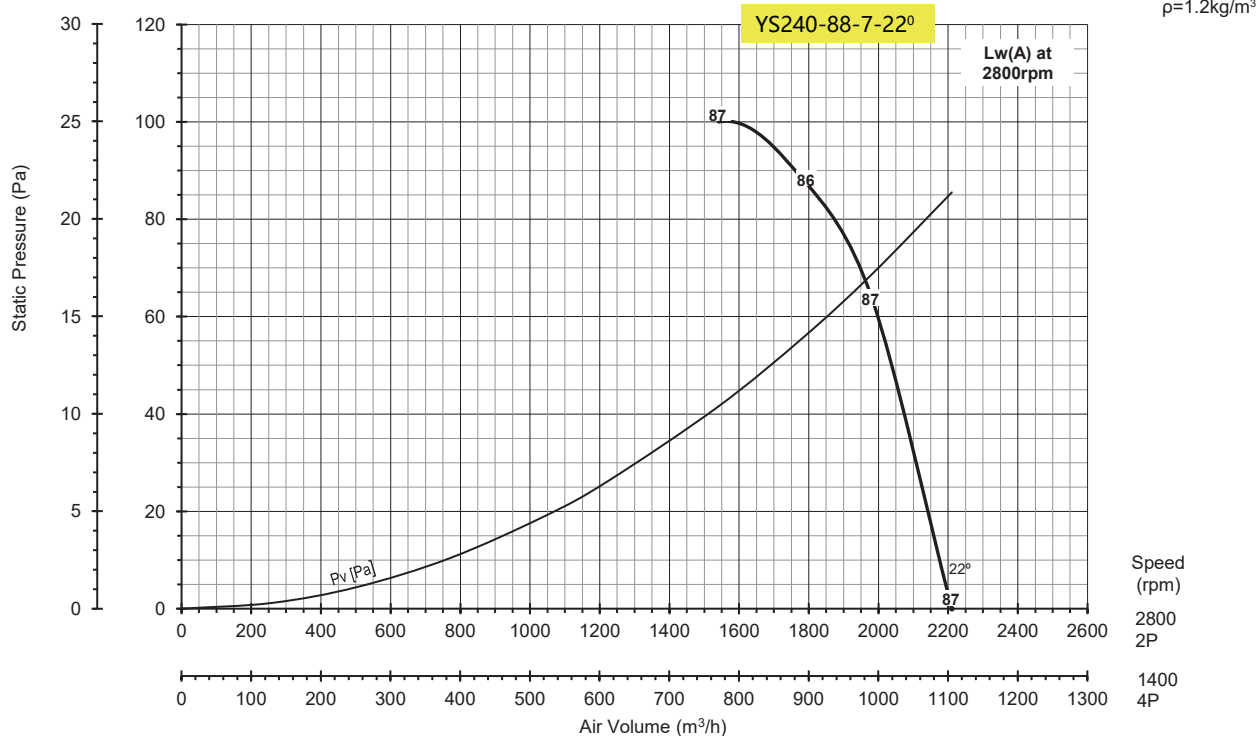


BIFURCATED TYPE AXIAL FLOW FANS (YB SERIES)

- Bifurcated fans are ideal for exhausting or recirculating fumes, gases and hot air up to 80 ° C (NT) or 200 ° C (HT) continuous operation. They can be ordered in 11 sizes extending from 400 to 1500mm diameter.
- Bifurcated axial fans are used in situations where it is important that the motor is kept out of the airstream (though with suitable access to ambient air) due to the type or temperature of the gases/fumes involved.
- Compared to direct drive axial types, bifurcated fans have the following advantages:
- Higher temperature ratings / Isolation of motor from heat or contaminants in the airstream / Easier maintenance.
- To overcome the duty pressure losses, additional 30% duty pressure should be adjusted to account for the loss before making a selection on the standard performance curves. +2dB will be adjusted due to the effect on total sound level.
- Performance of YB Series Axial Flow Fans are not licensed by AMCA International.



YS SERIES AXIAL FLOW FAN



Model No	Speed(RPM)	Blade Angle	Motor(Kw)	Peak Absorbed Power(Kw)	LwA dB(A)
YS240-88-7-22	1400	22	0.07	0.036	-19
	2800		0.37	0.288	0

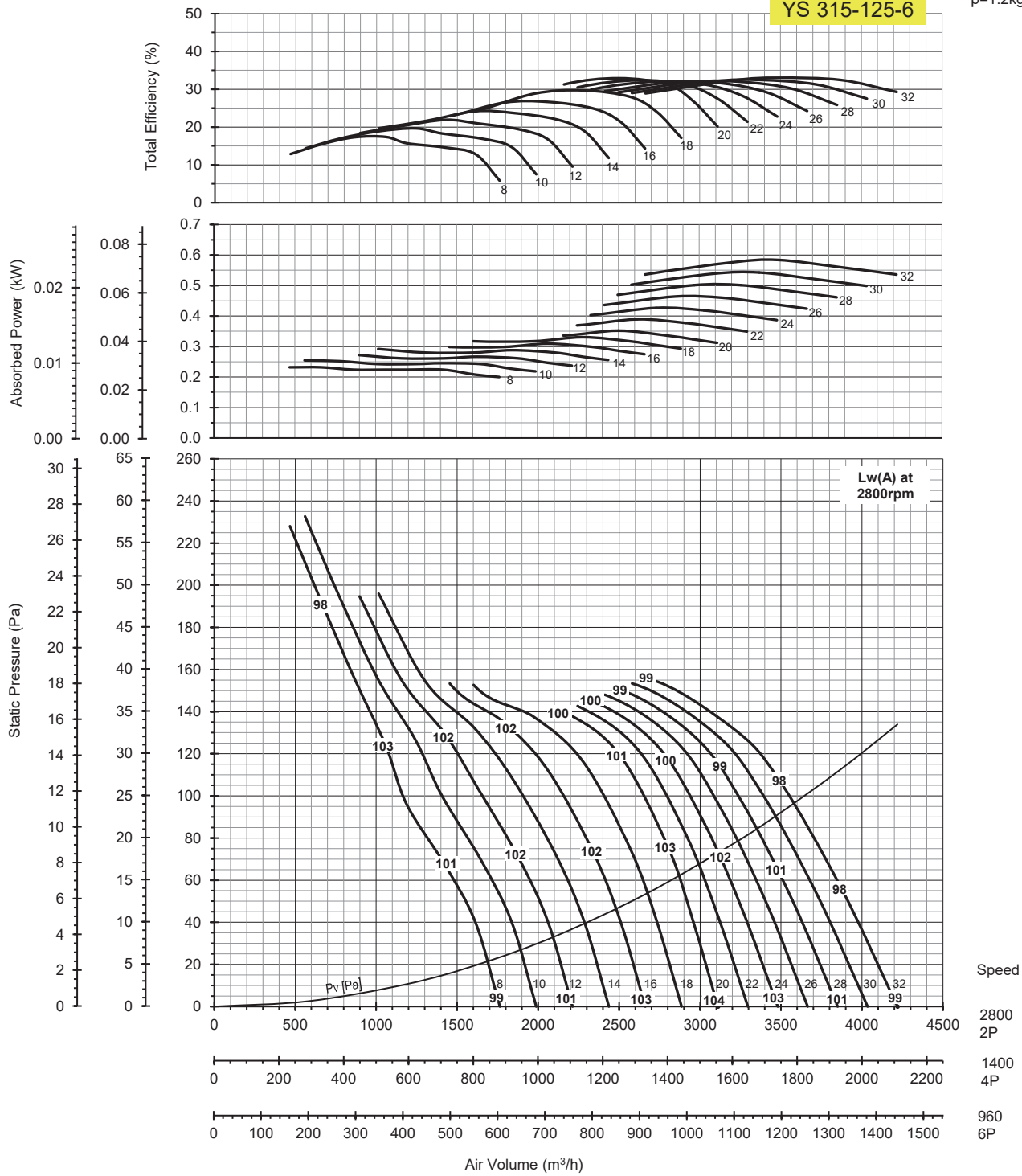
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct and correction.

YS SERIES AXIAL FLOW FAN

YS 315-125-6

$\rho=1.2\text{kg/m}^3$



At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS315-H-6/0.18-6	8	0.18	0.009
	10		0.010
	12		0.011
	14		0.012
	16		0.012
	18		0.014
	20		0.014
	22		0.016
	24		0.017
	26		0.019
	28		0.020
	30		0.022
	32		0.024
LwA dB(A)	-29		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS315-H-6/0.18-4	8	0.18	0.029
	10		0.032
	12		0.034
	14		0.037
	16		0.039
	18		0.042
	20		0.044
	22		0.049
	24		0.053
	26		0.058
	28		0.063
	30		0.068
	32		0.073
LwA dB(A)	-18		

At 2800 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS315-H-6/0.37-2	8	0.37	0.232
	10		0.255
	12		0.272
	14		0.292
	16		0.309
	18		0.336
YS315-H-6/0.55-2	20	0.55	0.352
	22		0.389
	24		0.427
	26		0.464
	28		0.501
	30		0.543
YS315-H-6/0.75-2	32	0.75	0.584
LwA dB(A)	0		

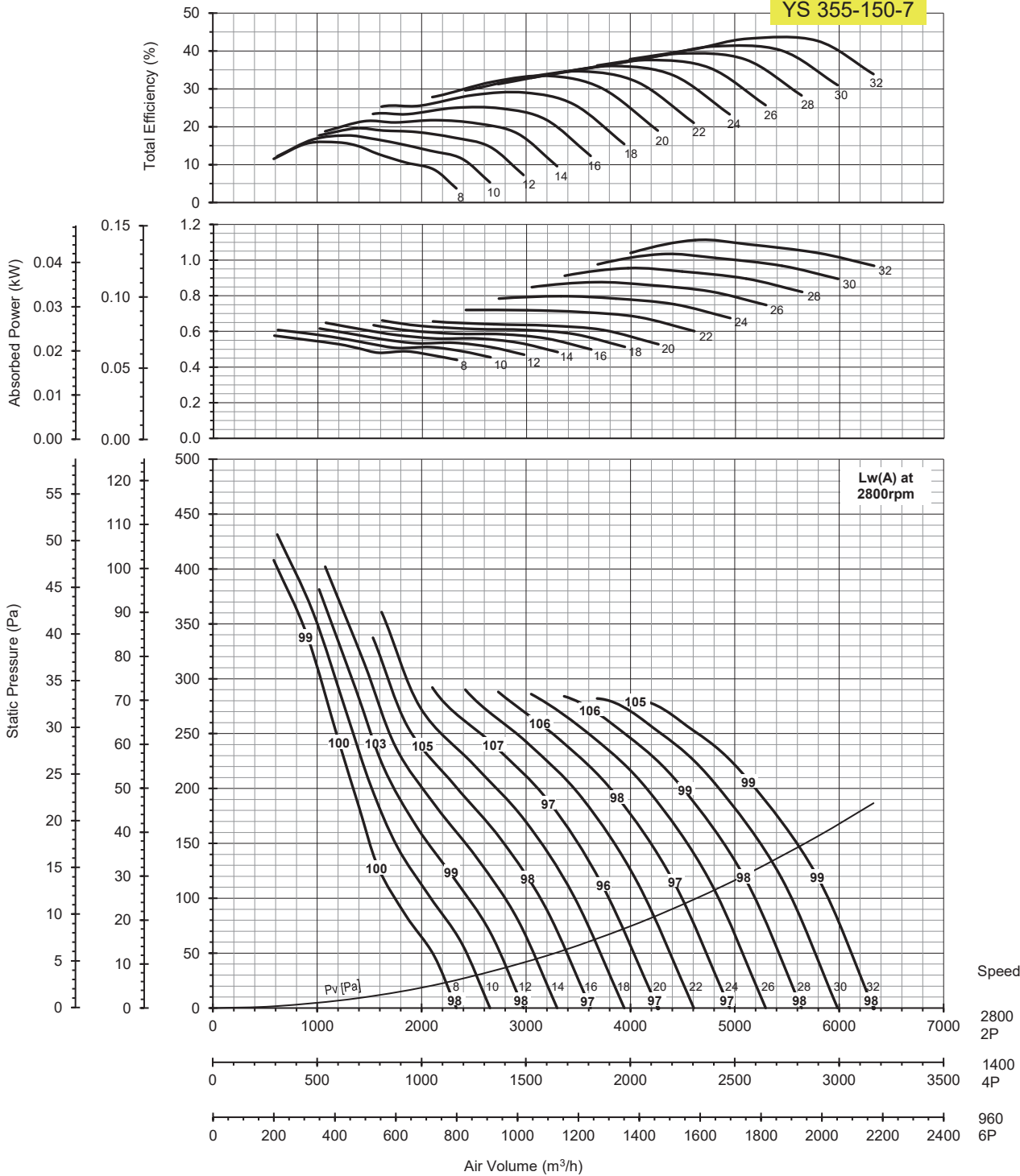
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YS SERIES AXIAL FLOW FAN

$\rho=1.2\text{kg/m}^3$

YS 355-150-7



At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS355-H-7/0.18-6	8	0.18	0.023
	10		0.025
	12		0.025
	14		0.026
	16		0.026
	18		0.027
	20		0.026
	22		0.029
	24		0.032
	26		0.035
	28		0.038
	30		0.042
	32		0.045
LwA dB(A)	-30		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS355-H-7/0.18-4	8	0.18	0.072
	10		0.076
	12		0.077
	14		0.081
	16		0.079
	18		0.083
	20		0.082
	22		0.090
	24		0.100
	26		0.110
	28		0.119
	30		0.129
	32		0.139
LwA dB(A)	-20		

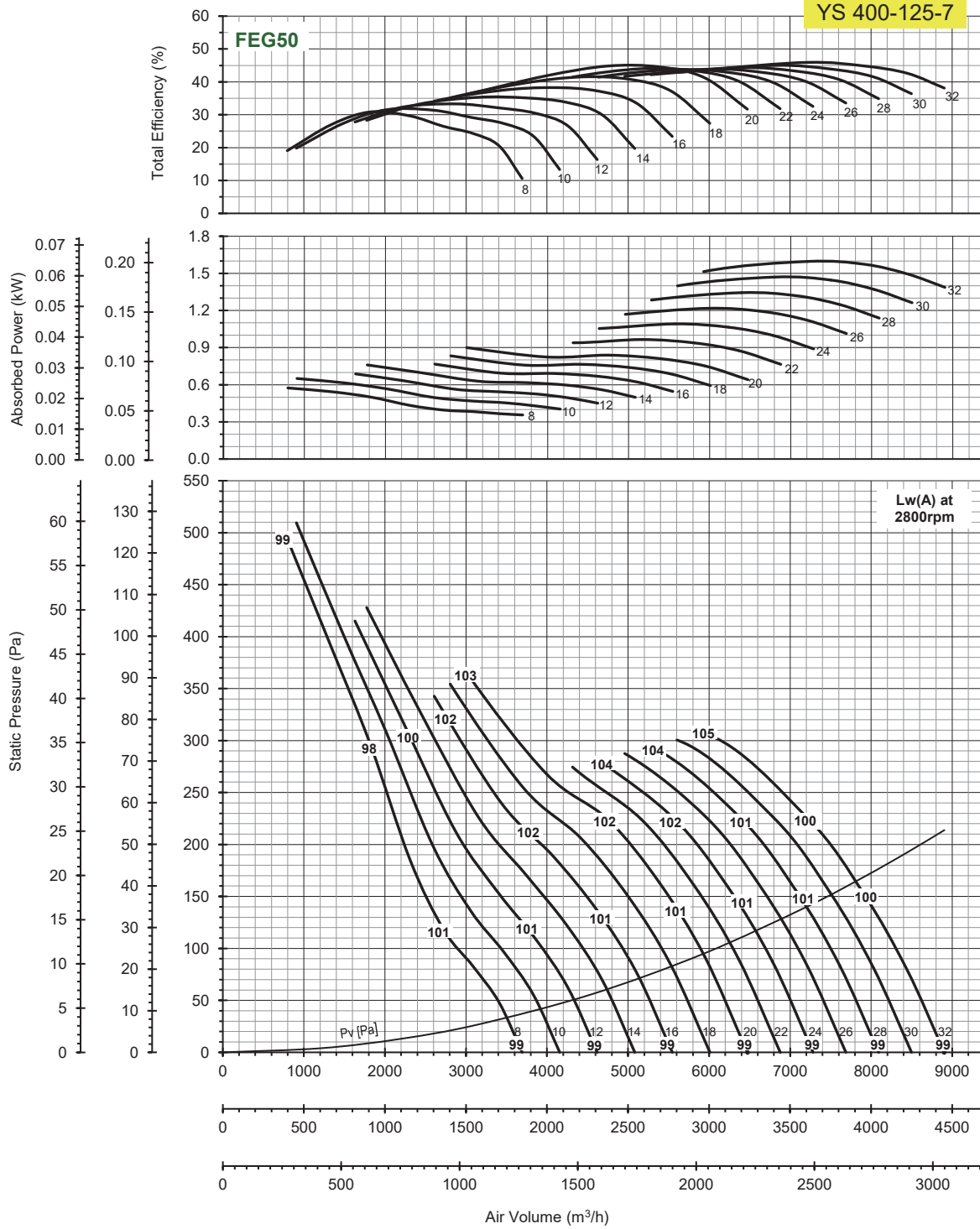
At 2800 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS355-H-7/0.75-2	8	0.75	0.576
	10		0.608
	12		0.616
	14		0.648
	16		0.635
	18		0.661
YS355-H-7/0.11-2	20	1.1	0.656
	22		0.720
	24		0.797
	26		0.876
YS355-H-7/1.5-2	28	1.5	0.955
	30		1.033
LwA dB(A)	32	1.5	1.112
LwA dB(A)	0		

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YS SERIES AXIAL FLOW FAN

$\rho=1.2\text{kg/m}^3$



	At 960 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS400-H-7/0.18-6	8	0.18	0.023
	10		0.026
	12		0.028
	14		0.031
	16		0.031
	18		0.034
	20		0.037
	22		0.039
	24		0.044
	26		0.049
	28		0.054
	30		0.059
	32		0.064
LwA dB(A)	-28		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS400-H-7/0.18-4	8	0.18	0.072
	10		0.081
	12		0.086
	14		0.095
	16		0.096
	18		0.104
	20		0.114
	22		0.121
	24		0.136
	26		0.152
YS400-H-7/0.37-4	28	0.37	0.168
	30		0.184
	32		0.200
LwA dB(A)	-18		

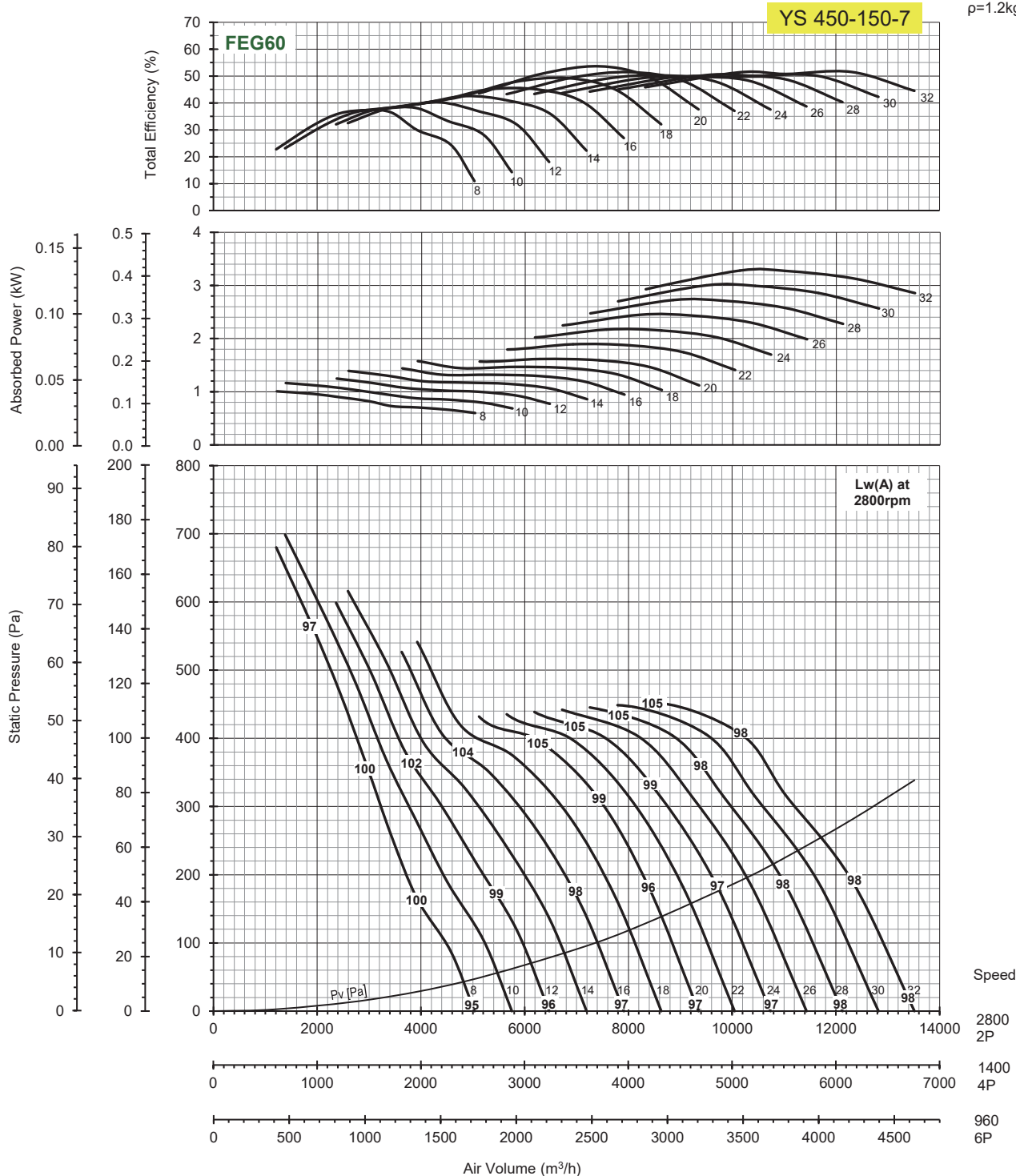
	At 2800 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS400-H-7/0.75-2	8	0.75	0.574
	10		0.651
	12		0.688
YS400-H-7/1.1-2	14	1.1	0.760
	16		0.770
	18		0.833
	20		0.910
	22		0.965
	24		1.091
YS400-H-7/1.5-2	26	1.5	1.218
	28		1.344
	30		1.470
YS400-H-7/2.2-2	32	2.2	1.596
LwA dB(A)	0		

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YS SERIES AXIAL FLOW FAN

$\rho=1.2\text{kg/m}^3$



At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS450-H-7/0.18-6	8	0.18	0.041
	10		0.047
	12		0.050
	14		0.056
	16		0.058
	18		0.064
	20		0.065
	22		0.076
	24		0.087
	26		0.099
	28		0.110
	30		0.121
	32		0.132
LwA dB(A)	-28		

		At 1400 RPM	
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS450-H-7/0.18-4	8	0.18	0.126
	10		0.146
	12		0.156
	14		0.174
YS450-H-7/0.37-4	16	0.37	0.180
	18		0.197
	20		0.202
	22		0.237
	24		0.271
	26		0.306
YS450-H-7/0.55-4	28	0.55	0.341
	30		0.375
	32		0.410
LwA dB(A)	-19		

	At 2800 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS450-H-7/1.1-2	8	1.1	1.008
YS450-H-7/1.5-2	10	1.5	1.164
	12		1.248
	14		1.392
	16		1.440
YS450-H-7/2.2-2	18	2.2	1.576
	20		1.616
	22		1.893
	24		2.171
YS450-H-7/3-2	26	3	2.448
	28		2.725
YS450-H-7/4-2	30	4	3.003
	32		3.280
LwA dB(A)	0		

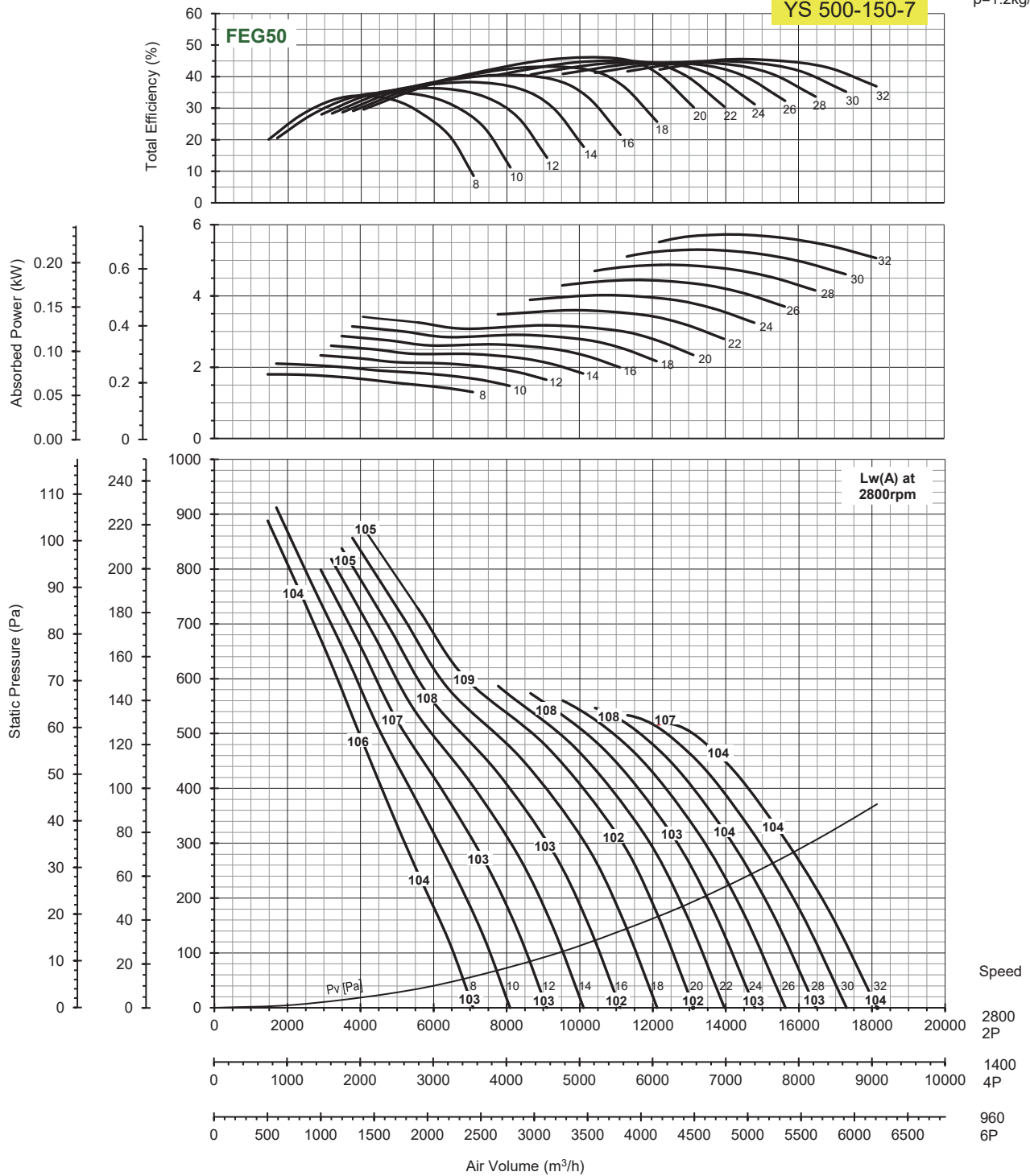
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YS SERIES AXIAL FLOW FAN

YS 500-150-7

$\rho=1.2\text{kg/m}^3$



	At 960 RPM				At 1400 RPM				At 2800 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)	Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)	Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS500-H-7/0.18-6	8	0.18	0.073	YS500-H-7/0.37-4	8	0.37	0.226	YS500-H-7/2.2-2	8	2.2	1.810
	10		0.085		10		0.263		10		2.101
	12		0.094		12		0.292		12		2.333
	14		0.105		14		0.326		14		2.604
	16		0.116		16		0.359		16		2.875
	18		0.127	YS500-H-7/0.55-4	18	0.55	0.393	YS500-H-7/4-2	18	4	3.145
	20		0.138		20		0.427		20		3.416
	22		0.145		22		0.450		22		3.600
	24		0.162		24		0.503		24		4.024
26	0.179	YS500-H-7/0.75-4	26	0.75	0.556	YS500-H-7/5.5-2	26	5.5	4.448		
28	0.196		28		0.609		28		4.872		
30	0.213		30		0.662		30		5.296		
32	0.231		32		0.715		32		5.720		
LwA dB(A)	-25			LwA dB(A)	-16			LwA dB(A)	0		

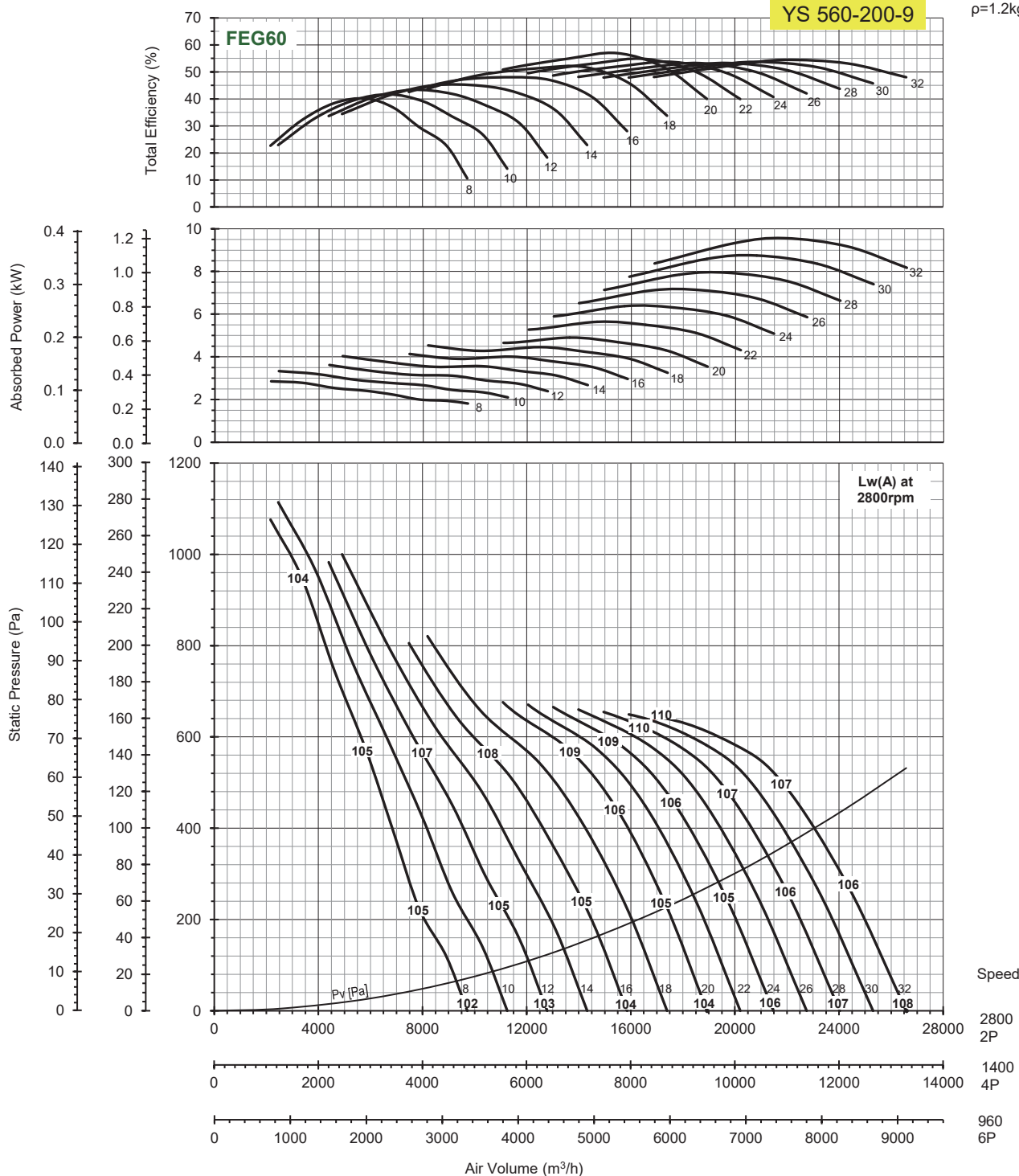
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YS SERIES AXIAL FLOW FAN

YS 560-200-9

$\rho=1.2\text{kg/m}^3$



At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS560-H-9/0.18-6	8	0.18	0.115
	10		0.134
	12		0.146
	14		0.163
	16		0.167
YS560-H-9/0.37-6	18	0.37	0.183
	20		0.198
	22		0.227
	24		0.257
	26		0.287
	28		0.320
	30		0.353
YS560-H-9/0.55-6	32	0.55	0.385
LwA dB(A)	-28		

At 1400 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS560-H-9/0.37-4	8	0.37	0.357
	10	0.55	0.417
	12		0.452
	14		0.505
YS560-H-9/0.55-4	16	0.75	0.517
	18		0.567
	20		0.613
	22		0.705
	24		0.797
YS560-H-9/1.1-4	26	1.1	0.891
	28		0.992
	30		1.094
	32		1.195
YS560-H-9/1.5-4	32	1.5	1.195
LwA dB(A)	-17		

	At 2800 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS560-H-9/3-2	8	3	2.856
YS560-H-9/4-2	10	4	3.332
	12		3.619
YS560-H-9/5.5-2	14	5.5	4.036
	16		4.136
	18		4.536
	20		4.904
	22		5.641
YS560-H-9/7.5-2	24	7.5	6.379
	26		7.124
	28		7.936
YS560-H-9/11-2	30	11	8.748
	32		9.560
	LwA dB(A)		0

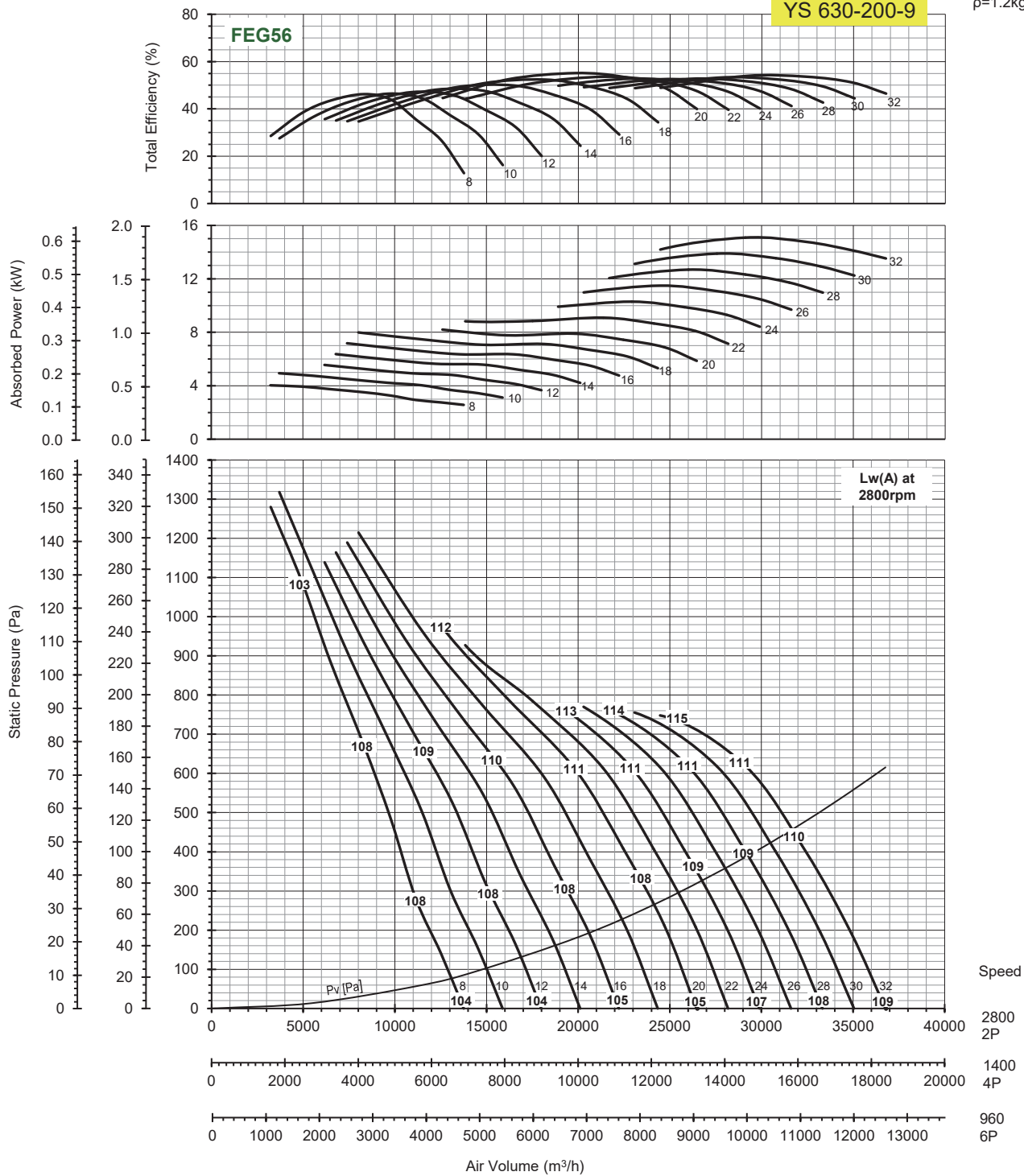
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YS SERIES AXIAL FLOW FAN

YS 630-200-9

$\rho=1.2\text{kg/m}^3$



	At 960 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS630-H-9/0.18-6	8	0.18	0.163
YS630-H-9/0.37-6	10	0.37	0.199
	12		0.224
	14		0.257
	16		0.289
	18		0.322
	20		0.330
YS630-H-9/0.55-6	22	0.55	0.367
	24		0.415
	26		0.463
YS630-H-9/0.75-6	28	0.75	0.511
	30		0.560
	32		0.608
LwA dB(A)	-27		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS630-H-9/0.55-4	8	0.55	0.504
YS630-H-9/0.75-4	10	0.75	0.617
	12		0.695
YS630-H-9/1.1-4	14	1.1	0.796
	16		0.897
	18		0.999
	20		1.025
YS630-H-9/1.5-4	22	1.5	1.137
	24		1.287
	26		1.437
YS630-H-9/2.2-4	28	2.2	1.586
	30		1.736
	32		1.886
LwA dB(A)	-17		

At 2800 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS630-H-9/5.5-2	8	5.5	4.032
	10		4.936
	12		5.557
YS630-H-9/7.5-2	14	7.5	6.368
	16		7.179
	18		7.989
YS630-H-9/11-2	20	11	8.200
	22		9.905
	24		10.29
YS630-H-9/15-2	26	15	11.49
	28		12.69
	30		13.89
YS630-H-9/18.5-2	32	18.5	15.09
LwA dB(A)	0		

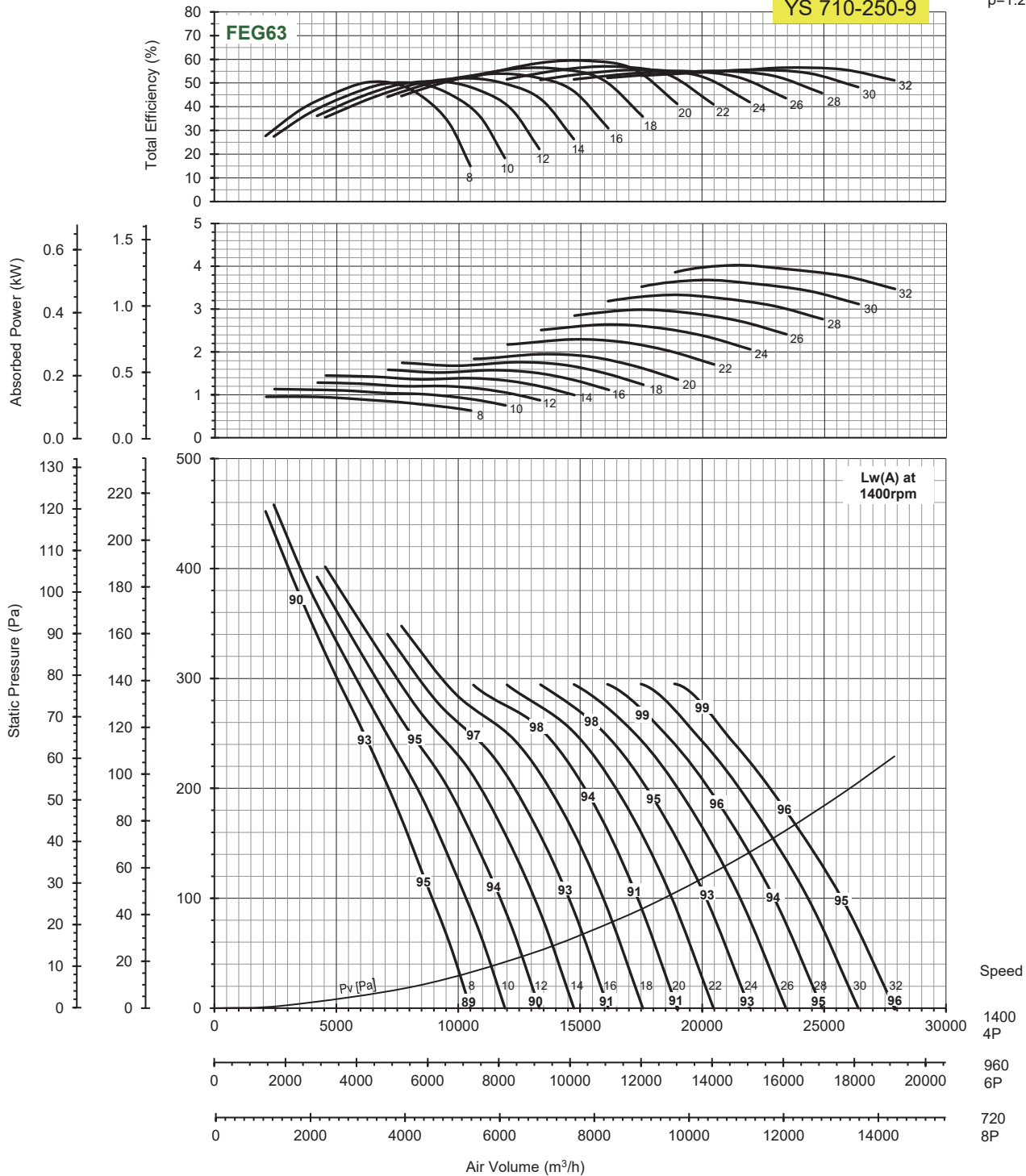
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YS SERIES AXIAL FLOW FAN

YS 710-250-9

$\rho=1.2\text{kg/m}^3$



	At 720 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS710-H-9/0.18-8	8	0.18	0.130
	10		0.154
	12		0.175
YS710-H-9/0.37-8	14	0.37	0.197
	16		0.216
	18		0.240
	20		0.265
	22		0.312
	24		0.359
YS710-H-9/0.55-8	26	0.55	0.406
	28		0.453
	30		0.500
	32		0.547
LwA dB(A)	-17		

At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS710-H-9/0.37-6	8	0.37	0.309
	10		0.366
YS710-H-9/0.55-6	12	0.55	0.415
	14		0.468
	16		0.511
YS710-H-9/0.75-6	18	0.75	0.568
	20		0.628
	22		0.740
	24		0.851
YS710-H-9/1.1-6	26	1.1	0.963
	28		1.075
	30		1.186
YS710-H-9/1.5-6	32	1.5	1.298
LwA dB(A)	-10		

At 1400 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS710-H-9/1.1-4	8	1.1	0.957
	10		1.134
YS710-H-9/1.5-4	12	1.5	1.286
	14		1.451
	16		1.586
YS710-H-9/2.2-4	18	2.2	1.762
	20		1.948
	22		2.294
	24		2.640
YS710-H-9/3-4	26	3	2.987
	28		3.333
	30		3.679
YS710-H-9/5.5-4	32	5.5	4.025
LwA dB(A)	0		

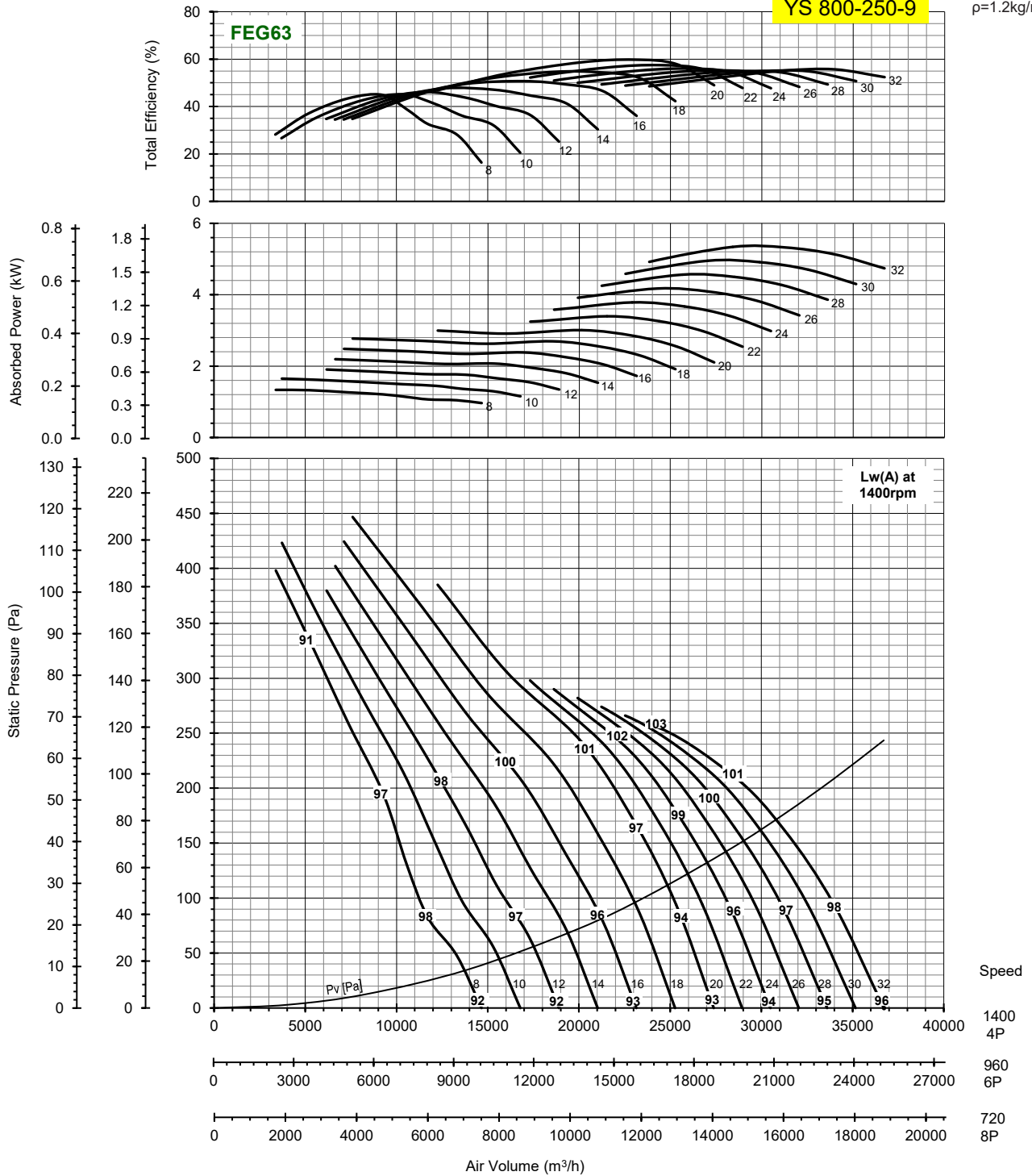
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

YS SERIES AXIAL FLOW FAN

YS 800-250-9

$\rho=1.2\text{kg/m}^3$



	At 720 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS800-H-9/0.37-8	8	0.37	0.181
	10		0.224
	12		0.259
	14		0.298
	16		0.338
YS800-H-9/0.55-8	18	0.55	0.377
	20		0.409
	22		0.462
	24		0.515
YS800-H-9/0.75-8	26	0.75	0.568
	28		0.621
	30		0.673
	32		0.726
LwA dB(A)	-16		

At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS800-H-9/0.55-6	8	0.55	0.430
	10		0.532
	12		0.614
	14		0.707
YS800-H-9/1.1-6	16	1.1	0.801
	18		0.894
	20		0.970
	22		1.095
YS800-H-9/1.5-6	24	1.5	1.220
	26		1.345
	28		1.471
	30		1.596
YS800-H-9/2.2-6	32	2.2	1.721
LwA dB(A)	-10		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS800-H-9/1.5-4	8	1.5	1.334
YS800-H-9/2.2-4	10	2.2	1.650
	12		1.905
	14		2.194
YS800-H-9/3-4	16	3	2.483
	18		2.773
	20		3.007
YS800-H-9/4-4	22	4	3.396
	24		3.784
	26		4.173
YS800-H-9/5.5-4	28	5.5	4.562
	30		4.950
	32		5.339
LwA dB(A)	0		

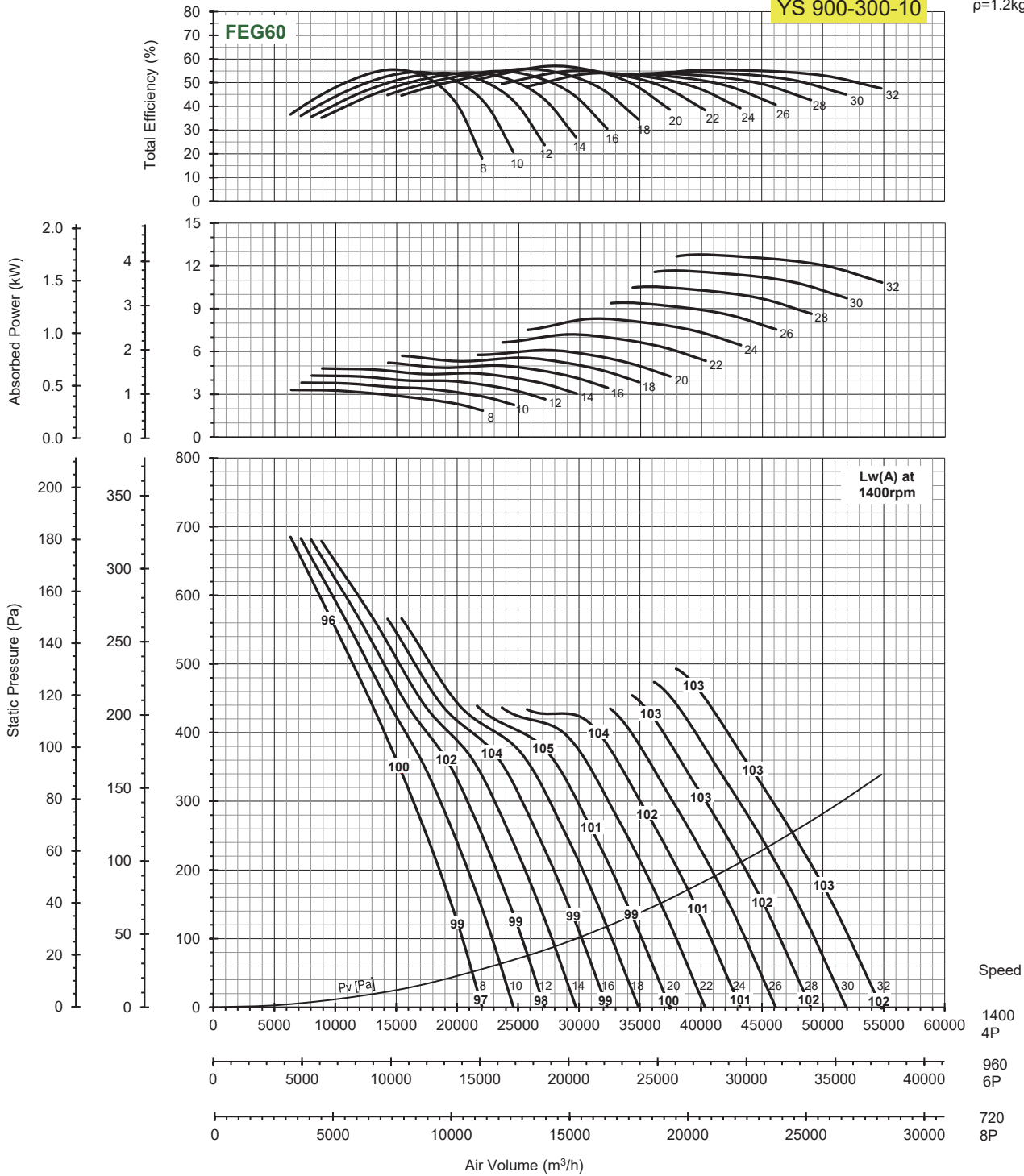
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

YS SERIES AXIAL FLOW FAN

YS 900-300-10

$\rho=1.2\text{kg/m}^3$



	At 720 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS900-H-10/0.55-8	8	0.55	0.451
	10		0.519
YS900-H-10/0.75-8	12	0.75	0.587
	14		0.655
	16		0.710
YS900-H-10/1.1-8	18	1.1	0.776
	20		0.830
	22		0.979
YS900-H-10/1.5-8	24	1.5	1.128
	26		1.277
	28		1.426
YS900-H-10/2.2-8	30	2.2	1.575
	32		1.724
LwA dB(A)	-16		

	At 960 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS900-H-10/1.1-6	8	1.1	1.069
	10		1.230
YS900-H-10/1.5-6	12	1.5	1.392
	14		1.553
YS900-H-10/2.2-6	16	2.2	1.682
	18		1.839
	20		1.967
YS900-H-10/3-6	22	3	2.320
	24		2.673
YS900-H-10/4-6	26	4	3.027
	28		3.380
	30		3.733
YS900-H-10/7.5-6	32	7.5	4.086
LwA dB(A)	-10		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS900-H-10/4-4	8	4	3.316
	10		3.816
YS900-H-10/5.5-4	12	5.5	4.316
	14		4.816
	16		5.218
YS900-H-10/7.5-4	18	7.5	5.703
	20		6.101
	22		7.196
YS900-H-10/11-4	24	11	8.291
	26		9.387
	28		10.48
YS900-H-10/15-4	30	15	11.58
	32		12.67
LWA dB(A)	0		

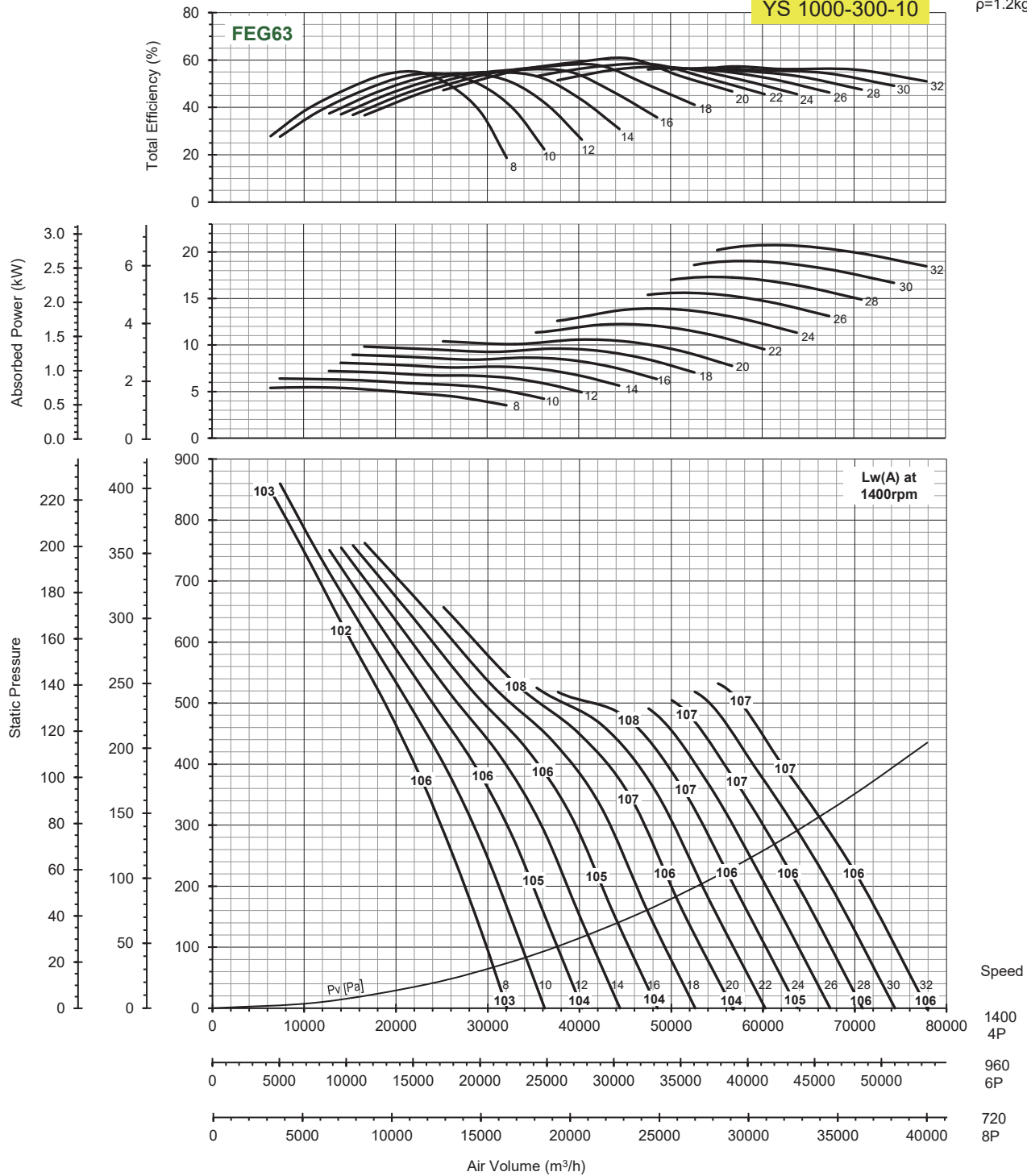
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

YS SERIES AXIAL FLOW FAN

YS 1000-300-10

$\rho=1.2\text{kg/m}^3$



At 720 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1000-H-10/0.75-8	8	0.75	0.743
YS1000-H-10/1.1-8	10	1.1	0.871
	12		0.981
	14		1.100
YS1000-H-10/1.5-8	16	1.5	1.219
	18		1.338
	20		1.440
YS1000-H-10/2.2-8	22	2.2	1.658
	24		1.878
	26		2.113
	28		2.349
YS1000-H-10/3-8	30	3	2.584
	32		2.820
LwA dB(A)	-17		

At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1000-H-10/2.2-6	8	2.2	1.762
	10		2.064
	12		2.325
YS1000-H-10/3-6	14	3	2.607
	16		2.889
	18		3.171
YS1000-H-10/4-6	20	4	3.413
	22		3.929
YS1000-H-10/5.5-6	24	5.5	4.451
	26		5.009
	28		5.568
YS1000-H-10/7.5-6	30	7.5	6.126
	32		6.684
LwA dB(A)	-10		

At 1400 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1000-H-10/5.5-4	8	5.5	5.464
YS1000-H-10/7.5-4	10	7.5	6.402
	12		7.212
	14		8.087
YS1000-H-10/11-4	16	11	8.961
	18		9.835
	20		10.58
YS1000-H-10/15-4	22	15	12.19
	24		13.80
YS1000-H-10/18.5-4	26	18.5	15.54
	28		17.27
YS1000-H-10/22-4	30	22	19.00
	32		20.73
LwA dB(A)	0		

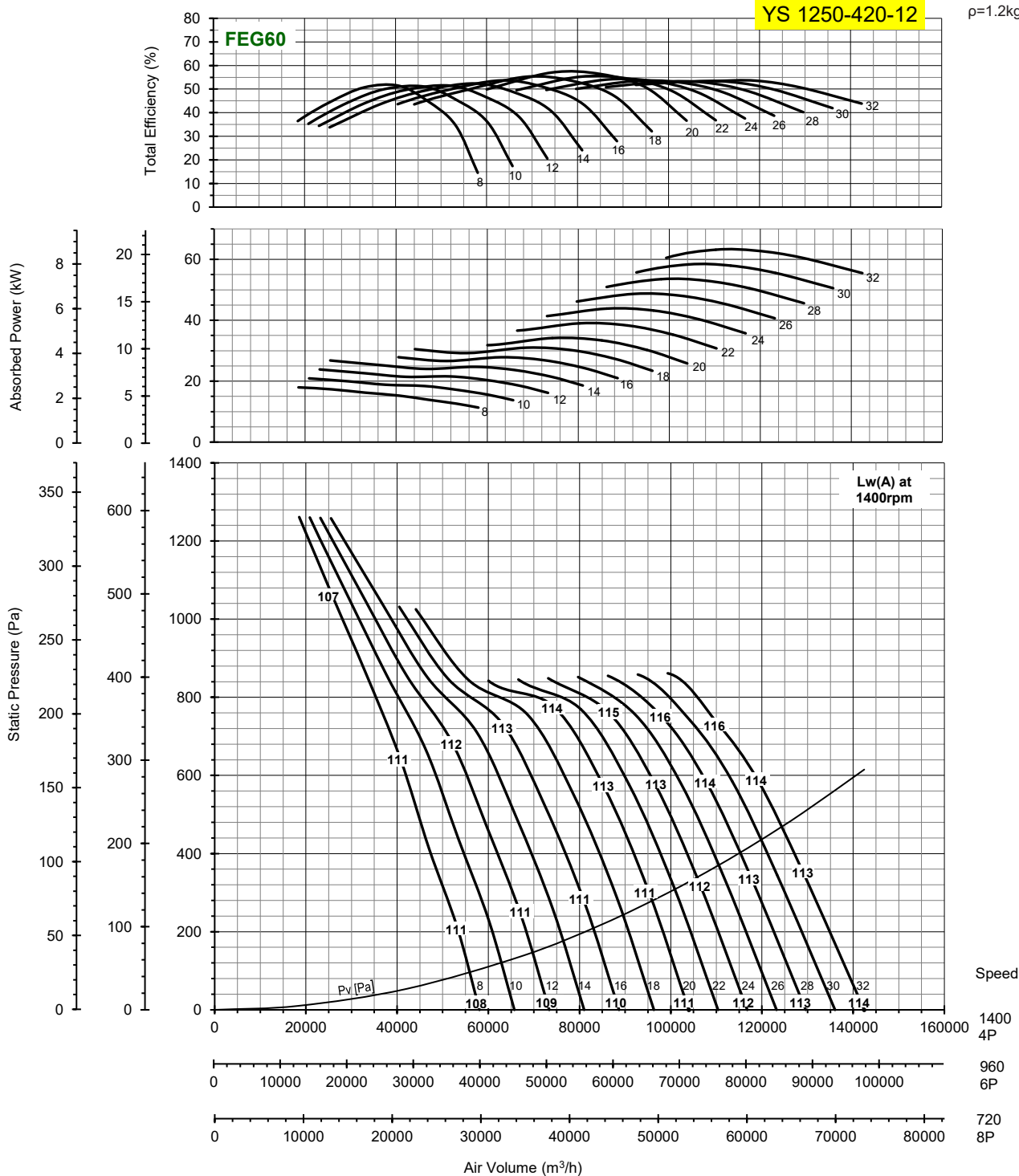
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

YS SERIES AXIAL FLOW FAN

YS 1250-420-12

$\rho=1.2\text{kg/m}^3$



At 720 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1250-H-12/3-8	8	3	2.444
	10		2.845
	12		3.246
YS1250-H-12/4-8	14	4	3.646
	16		3.792
	18		4.218
YS1250-H-12/5.5-8	20	5.5	4.647
	22		5.305
	24		5.962
YS1250-H-12/7.5-8	26	7.5	6.620
	28		7.277
	30		7.935
YS1250-H-12/11-8	32	11	8.593
LwA dB(A)	-16		

At 960 RPM			
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1250-H-12/7.5-6	8	7.5	5.793
	10		6.743
	12		7.693
YS1250-H-12/11-6	14	11	8.643
	16		8.989
	18		9.999
YS1250-H-12/15-6	20	15	11.02
	22		12.57
	24		14.13
YS1250-H-12/18.5-6	26	18.5	15.69
	28		17.25
	30		18.81
YS1250-H-12/22-6	32	22	20.37
LwA dB(A)	-9		

	At 1400 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1250-H-12/18.5-4	8	18.5	17.97
YS1250-H-12/22-4	10	22	20.91
YS1250-H-12/30-4	12	30	23.86
	14		26.81
	16		27.88
YS1250-H-12/37-4	18	37	31.01
	20		34.16
YS1250-H-12/45-4	22	45	39.00
	24		43.83
YS1250-H-12/55-4	26	55	48.67
	28		53.50
YS1250-H-12/75-4	30	75	58.34
	32		63.17
LwA dB(A)	0		

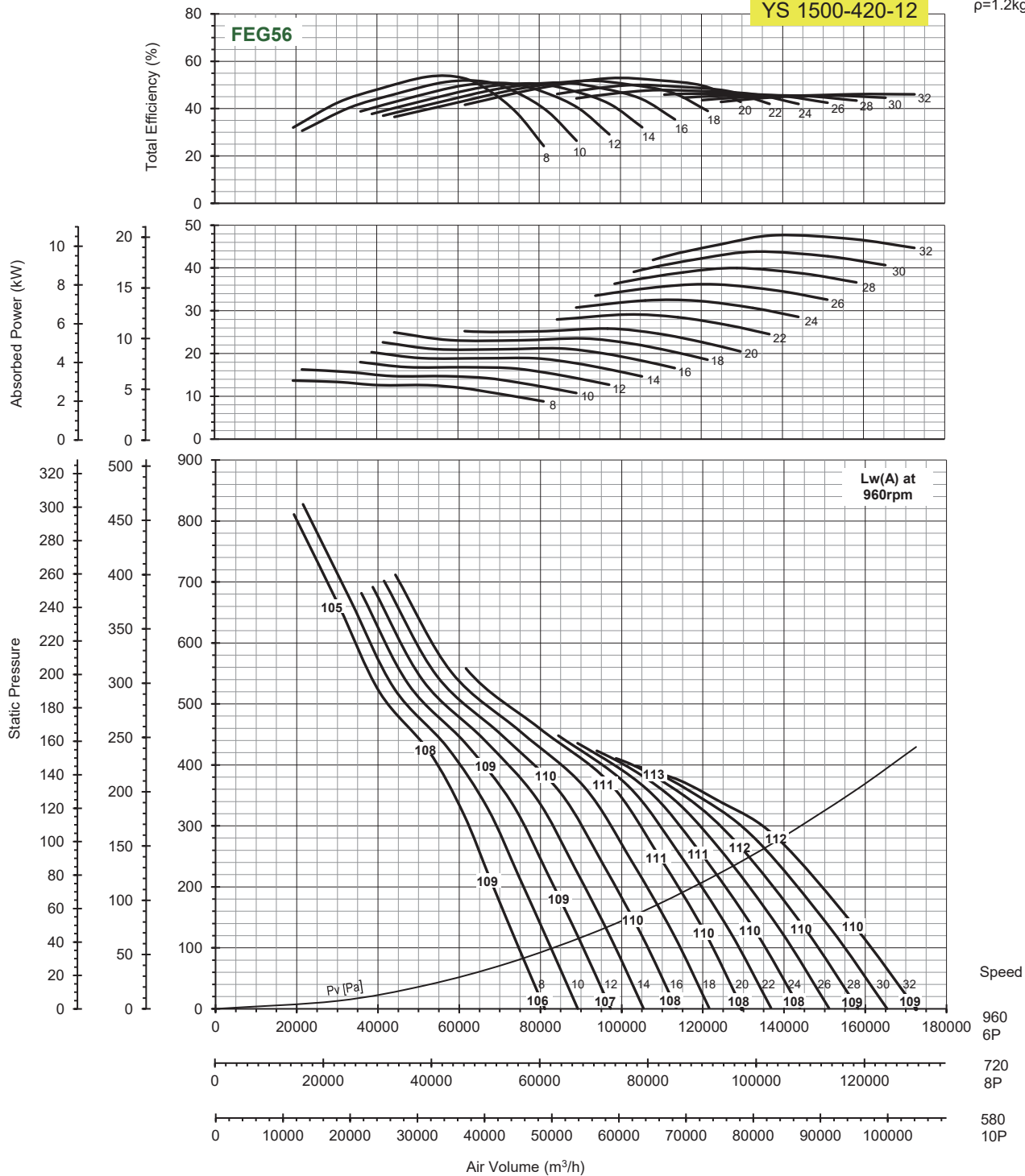
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

YS SERIES AXIAL FLOW FAN

YS 1500-420-12

$\rho=1.2\text{kg/m}^3$



	At 580 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1500-H-12/4-10	8	4	3.018
	10		3.592
	12		3.970
YS1500-H-12/5.5-10	14	5.5	4.481
	16		4.992
YS1500-H-12/7.5-10	18	7.5	5.503
	20		5.699
	22		6.423
	24		7.147
YS1500-H-12/11-10	26	11	7.974
	28		8.820
	30		9.666
	32		10.51
LwA dB(A)	-12		

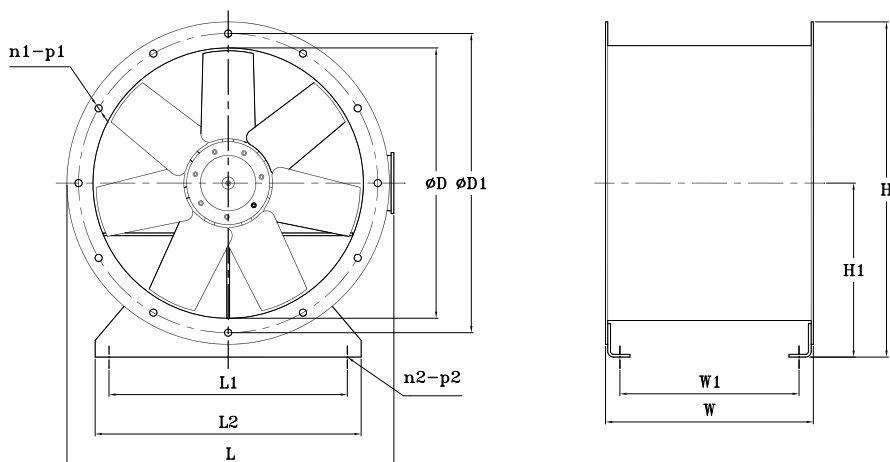
	At 720 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1500-H-12/7.5-8	8	7.5	5.774
	10		6.871
YS1500-H-12/11-8	12	11	7.594
	14		8.572
	16		9.549
	18		10.53
	20		10.90
YS1500-H-12/15-8	22	15	12.29
	24		13.67
YS1500-H-12/18.5-8	26	18.5	15.26
	28		16.87
	30		18.49
YS1500-H-12/22-8	32	22	20.11
LwA dB(A)	-7		

	At 960 RPM		
Model No	Blade Angle	Motor (Kw)	Peak Absorbed Power (Kw)
YS1500-H-12/15-6	8	15	13.69
YS1500-H-12/18.5-6	10	18.5	16.29
	12		18.00
YS1500-H-12/22-6	14	22	20.32
YS1500-H-12/30-6	16	30	22.64
	18		24.95
	20		25.84
	22		29.13
YS1500-H-12/37-6	24	37	32.41
	26		36.16
	28		40.00
YS1500-H-12/45-6	30	45	43.83
YS1500-H-12/55-6	32	55	47.67
LwA dB(A)	0		

* Performance certified is for installation type A - Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet LwA sound power levels for installation type A: free inlet, free outlet.

Dimensions (mm)



Model	ϕD	$\phi D1$	L	L1	L2	W1	H	H1	n1-p1	n2-p2	W	
											Frame No	W
YS240	240	280	305	205	245	180	325	172	6- $\phi 10$	4- $\phi 10$	Y63 ~ Y80	237
YS315	312	355	408	260	305	237	408	210	6- $\phi 10$	4- $\phi 10$	Y63 ~ Y80	290
YS355	359	405	453	305	355	271	444	225	8- $\phi 12$	4- $\phi 13$	Y63 ~ Y80	335
YS400	401	448	499	350	400	306	492	250	8- $\phi 12$	4- $\phi 13$	Y63 ~ Y90	370
YS450	450	497	549	400	450	306/366	547	280	8- $\phi 12$	4- $\phi 13$	Y63 ~ Y90/Y100 ~ Y112	370/430
YS500	504	551	599	440	500	384/434	607	315	8- $\phi 12$	4- $\phi 13$	Y63 ~ Y112/Y132	450/500
YS560	565	629	679	500	560	376/426/576	677	345	12- $\phi 14$	4- $\phi 13$	Y63 ~ Y112/Y132/Y160	450/500/650
YS630	634	698	749	570	630	365/415/565/615	767	400	12- $\phi 14$	4- $\phi 13$	Y63 ~ Y100/Y132/Y160M/Y160L	450/500/650/700
YS710	711	775	829	650	710	364/414	857	450	12- $\phi 14$	4- $\phi 16$	Y80 ~ Y112/Y132	450/500
YS800	797	861	919	730	800	364/414	954	502	14- $\phi 14$	4- $\phi 16$	Y80 ~ Y112/Y132	450/500
YS900	894	958	1019	800	900	342/392/592	1082	580	14- $\phi 14$	4- $\phi 20$	Y80 ~ Y112/Y132/Y160	450/500/700
YS1000	1003	1067	1120	800	1000	352/432/602/702	1183	630	14- $\phi 14$	6- $\phi 20$	Y80 ~ Y112/Y132/Y160/Y180	450/500/700/800
YS1250	1250	1314	1380	1050	1250	580/730/930	1432	750	16- $\phi 14$	6- $\phi 20$	Y32 ~ Y160/Y180 ~ /Y225/Y250 ~ Y280	700/850/1050
YS1500	1510	1580	1655	1300	1500	580/730/930	1715	895	16- $\phi 14$	6- $\phi 20$	Y160/Y180 ~ /Y225/Y250 ~ Y280	700/850/1050



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