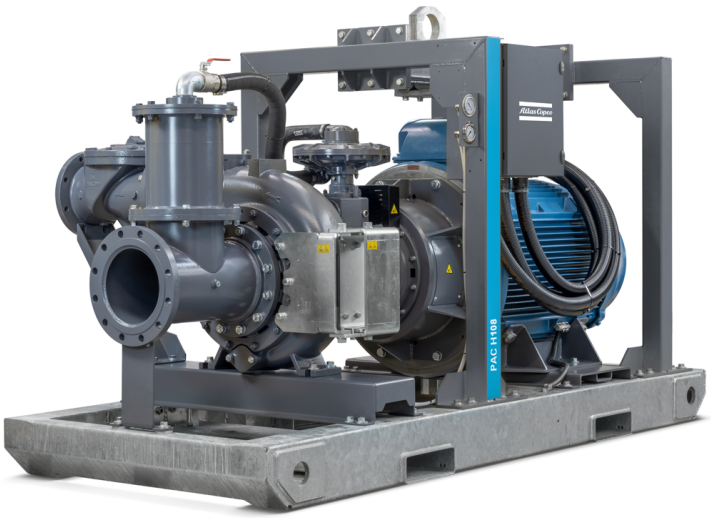
Product reference - 8381064911

PAC F1212 E 350HP

Qmax 9,100 USgpm - Hmax 262 ft



Indicative picture of the product

PAC Flow series

The pump system consists of a centrifugal pump and a separator, which enables air to be separated from the liquid and be sucked by a vacuum pump - making automatic priming possible. Even with suction heights of several feet the machine evacuates the air quickly from the suction pipe and starts to pump. Additionally, thanks to the enclosed impeller, the PAC range is also suitable for pumping liquids with solids in suspension with best possible efficiency.

Applications

The PAC F1212 Atlas Copco pump is designed to withstand toughest applications and delivers best in class pumping efficiency. One of the most common area of utilization is the municipal segment where reliability, efficiency and versatility is the key to provide a customized solution. Other suitable applications within Construction and General dewatering, Oil & Gas as well as General Industry are ideal for the PAC F1212 pump. Atlas Copco pumps are packed with features that not only meet, but exceed the needs of our customers.

Benefits

Efficiency
The 17" impeller with 74% efficiency at B.E.P. provides best pumping result with minimal efforts

Solids handling
Closed impeller type with solids handling capability of 3.5" for trouble free operation

Foot print
Best in class foot print of 120" x 51" (less check valve)

Product reference - 8381064911

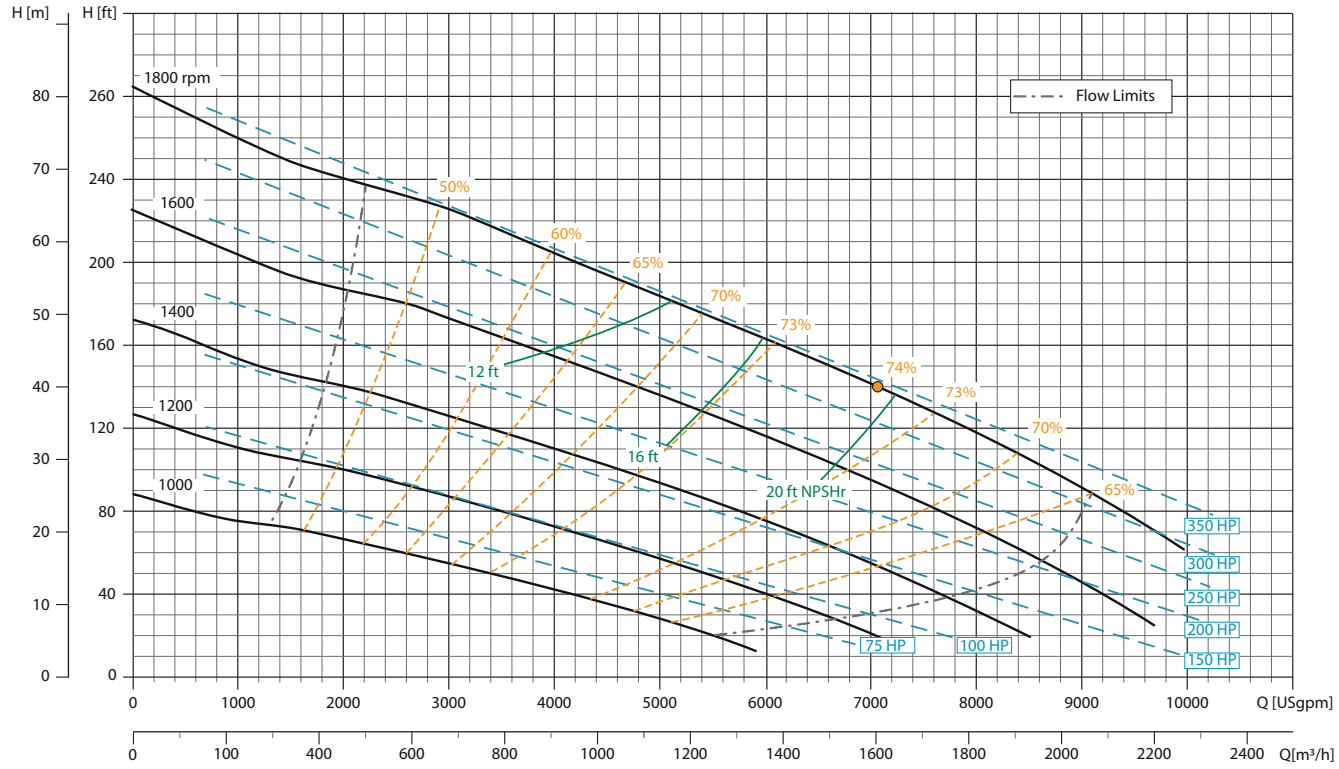
PAC F1212 E 350HP

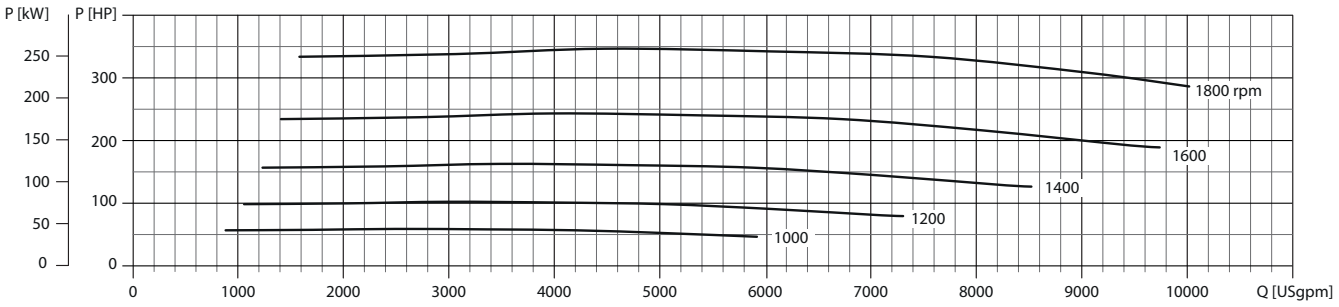
Performance curves

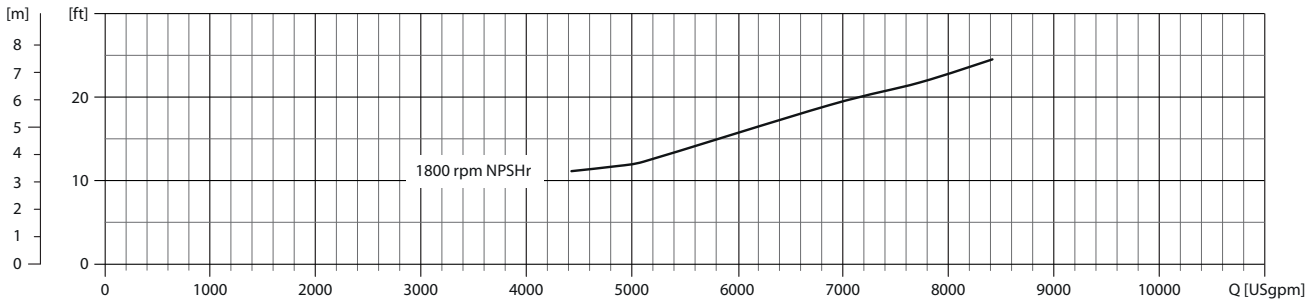
Test according to UNI EN ISO 9906 standard - level 2
Test liquid: clean water, density 62.43 lb/ft3 (8.345 lb/gal)

Losses from priming system and check valve not included

Speed	Impeller Dia.	Style	Solids Dia.	Ns	Suction	Discharge	No. Vanes
Various	17" / 440 mm	Enclosed	3.5" / 89 mm	1800 rpm	12" / 300 mm	12" / 300 mm	2







Product reference - 8381064911

PAC F1212 E 350HP

Technical data

Pump

Model	PAC F1212
Qmax	9,100 USgpm
Hmax	262 ft
Q max eff.	7,050 USgpm
Eff. max	74 %
Suction port	12" Flange - ANSI class 150
Delivery port	12" Flange - ANSI class 150
Impeller type	Enclosed, 2 vane
Impeller diameter	17"
Solids handling	3.5"
Material	
Casing	ASTM A536 ductile iron
Impeller	ASTM A743 CA6NM
Wear ring	ASTM A48 Class 20 cast iron
Shaft	AISI 630 stainless steel
Mechanical Seal faces	Silicon carbide Vs Silicon carbide
Elastomers	VITON
Check Valve	ASTM A536 ductile iron + NBR rubber flap
Separator	Fabricated steel

Priming system

Vacuum pump	
Vacuum pump type	Diaphragm
Nominal air capacity	50.0 cfm
Max vacuum	- 26.6 inHg
Drives	Link belt

Motor

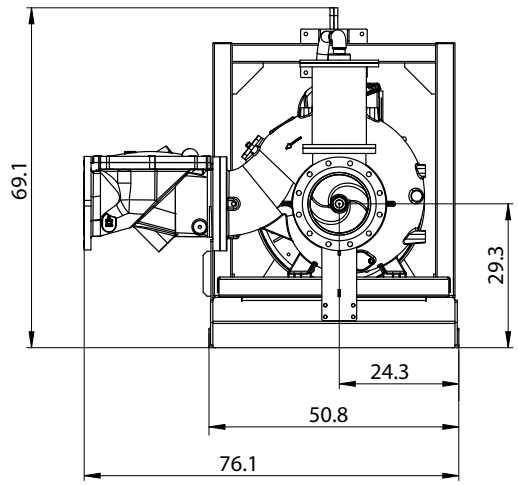
Make	Weg
Type	Three Phase Induction Motor
Cooling method	IC411 - TEFC
No. poles	4
Tension supply	460 V
Frequency	60 Hz
Rated power	350 HP
Rated speed	1,790 rpm
Rated current	384A
Efficiency class	W22 NEMA premium efficiency
Max efficiency	96.2 %
Protection rating	IPW55
Insulation class	F
Thermal protection	PTC Thermistors
Duty cycle	Continuous - S1

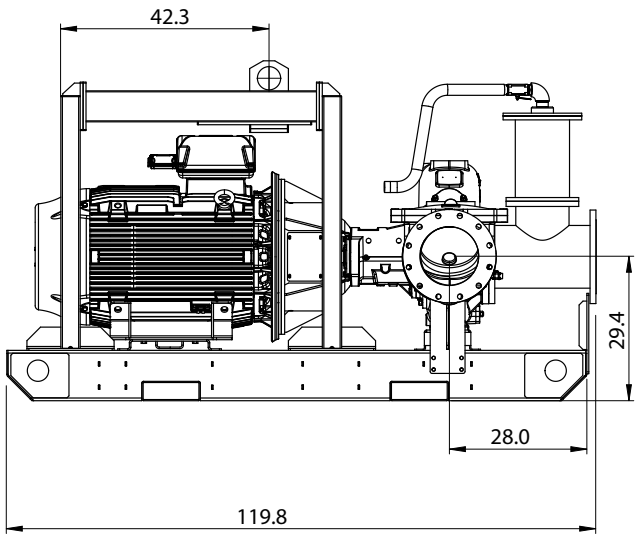
Arrangement

Technical data	
Material	ASTM A36 steel
Coatings	Epoxy powder, average thickness of 3 MIL
Features	Lifting beam. Fork lift pockets.
Dry weight	6,950 lbs

Dimensional drawing

[in]





DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: WEG BENELUX S.A.
Product line	: W22 Tru Metric - IE3 NemaPremium Efficiency (Derating)

Frame	: 315L	Locked rotor time	: 38 s (hot) 68 s (cold)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 460 V	Altitude	: 3280 ft
Rated current	: 384 A	Protection degree	: IPW55
L. R. Amperes	: 3034 A	Cooling method	: IC411 - TEFC
LRC	: 7.9 Code H	Mounting	: B35T
No load current	: 152 A	Rotation[1]	: Both
Rated speed	: 1790 rpm	Noise level[2]	: 77.0 dB(A)
Slip	: 0.56 %	Vibration class	: A
Rated torque	: 1392 Nm	Starting method	: Direct On Line
Locked rotor torque	: 350 %	Coupling	: Direct
Pull up torque	: 295 %	Approx. weight[3]	: 3523 lb
Breakdown torque	: 340 %	Painting plan	: 203A
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.25	Design	: N
Moment of inertia (J)	: 199 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	95.4	96.2	96.2
Power Factor	0.71	0.81	0.85

Load type	: -	
Load torque	: -	
Load inertia (J=GD²/4)	: -	

	Drive end	Non drive end
Bearing type	6319-C3	6316-C3
Lubrication interval	8000 h	10000 h
Lubricant amount	45 g	34 g
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: 28931.0 N
Max. compression	: 44605.8 N

Notes

Standards

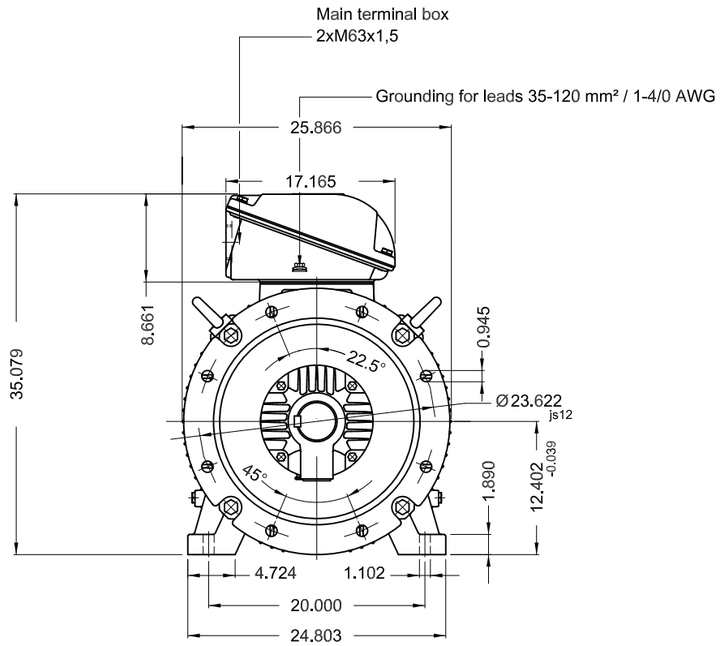
Specification	: MG1 - Part 20	Vibration	: MG1 - Part 7
Test	: MG1 - Part 20	Tolerance	: MG1 - Part 12
Noise	: MG1 - Part 9		

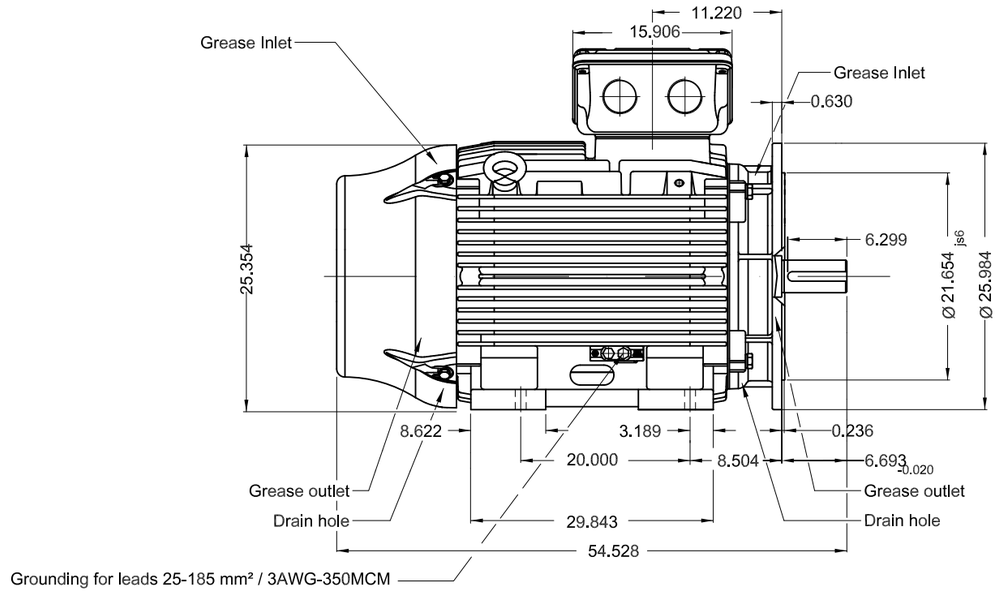
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

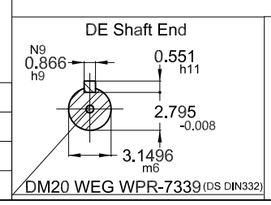
Rev.	Changes Summary	Rev.	Checked	Date

Performed by	weiss		1284942862	
Checked by	AUTOMATICO		Page	Rev.
Date	23/06/2022		1 / 1	0





NDE endshield with electrically insulated bearing hub
Color RAL 5009
Painting plan 203A
Mounting B35T



350 HP 04 Poles 60 Hz | A

WEG BENELUX S.A.

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	PIRWBUSER	THREE PH. MOTOR W22 IE3	PREVIEW
CHECKED		FRAME 315L IPW55 TEFC	WDD
RELEASED			
REL DT.		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1

Dimensions in inches
XME A3