

SPECIFICATIONS

SULLAIR INDUSTRIAL PRODUCTS

No. : 10000024116

Rev: 00

AS1800 Series, 25 HP - 50 Hz Horsepower Rated

MODEL	AS1807	AS1808	AS1810	AS1812
Compressor Performance*				
Full Load Pressure - bar (psig)	7(100)	8(115)	10(145)	12(175)
Capacity at Full Load Pressure - m³/min (acfm)	3.2(113)	2.9(102)	2.5(92)	2.2(77.7)
Power at Full Load Pressure – Shaft kW (BHP)	19.4(26.0)	19(25.5)	19(25.5)	20.0(27.2)
Package kW(BHP) Air-cooled	20 (26.7)	19.5(26.2)	19.5(26.2)	20.5(27.9)
Gear Ratio	3.16	3.04	2.68	2.48
Electrical Data (Typical)	380V		415V	
Motor hp (hp rated kW)	25(18.5)		25(18.5)	
Motor Nominal Efficiency	92.6%		92.6%	
Nominal rpm	1470		1470	
Frame Size	180M		180M	
Service Factor	1.15		1.15	
Nameplate Amps---FLA/SFA	35.1/39.9		32/36.5	
Locked Rotor Amps - Max.	243		223	
Starter Type	Y-delta		Y-delta	
Electrical Enclosure	IP55		IP55	
Cooling Data				
Fluid Flow – gpm(L/min)	7(26)	8(30)	9.9(37)	10.6(40)
Heat Rejection – Fluid Clr.BTU/min(kW)	973(17.1)	923(16.2)	957(16.8)	1056(18.6)
Heat Rejection – Aft.Clr.BTU/min(kW)	215(3.8)	198(3.5)	164(2.9)	160(2.8)
Air/Fluid Receiver				
Fluid Fill Capacity - Liter (U.S. Gal.)	11.5(3)	11.5(3)	11.5(3)	11.5(3)
Volume – Liter(U.S. Gal.)	31(8.2)	31(8.2)	31(8.2)	31(8.2)
Design Pressure – Bar(psig)	11.9(173)	11.9(173)	15.9(231)	15.9(231)
Dimensions & Weights w/Enclosure				
Length - mm (inches)	1340(53)	1340(53)	1340(53)	1340(53)
Width - mm (inches)	740(29)	740(29)	740(29)	740(29)
Height - mm (inches)	1300(51)	1300(51)	1300(51)	1300(51)
Weight - kg (lbs.) - Air-cooled	590(1300)IP55			
Weight - kg (lbs.) - Water-cooled	--	--	--	--
Discharge Connection	Rc1	Rc1	Rc1	Rc1
Moisture Drain Connection	Rc1 /8	Rc1 /8	Rc1 /8	Rc1 /8
dBA Ratings at 1 Meter (Typical)				
Air – cooled w/ enclosure	67	67	67	67
Cooling Air Flows				
Air Flow Air-cooled Fan - m³/min (140Pa)	91	91	91	91
Air-cooled Fan Motor - kW	0.85	0.85	0.85	0.85
Filter Rating				
Inlet Air	99.5% Eff.Per SAE J726C			
Main Lubricant Flow	Beta3=2.Beta23=75 Per ISO4572			

*Capacity per GB3853 (Annex C to ISO 1217)

NOTE: Data subject to change without notice.