

Technical Data Sheet

Motor Type: ASHH

Catalogue No: SDP0016C

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
1	6	1150	145TC	230 / 460	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
ODP	F	1.15	Continuous	B	-40 to 40 °C	<3300 ft

Typical Performance

Efficiency (%)				Power Factor (%)		
Full Load		3/4 Load	1/2 Load	Full Load	3/4 Load	1/2 Load
Nom.	Min.					
82.5	80.0	82.5	80.0	65.5	56.5	43.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
4.57	230	210	310	2.3 / 1.2	3.5 / 1.7	30 / 15
NEMA KVA Code	Inertia (WR ²)			Safe Stall Time (s)		Noise Level Sound Press. dB(A)
	Rotor (lb-ft ²)	NEMA Load (lb-ft ²)	Max. Allowable (lb-ft ²)	Cold	Hot	
N	0.118	15	98	64	45	49

VFD Duty Information

Speed Range			VFD		S.F.
Constant Torque	Variable Torque	Constant Power	Carrier	Type	
6-60Hz	3-60Hz	60-120Hz	≤ 5 kHz	VPWM or CPWM	1.0 Only

Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6205ZZ	6205ZZ	66

Hazardous Locations Information

N/A	
0	
0	
Temp Code (Sinewave / VFD)	0 / 0

Nameplate Drawing

Optim ODP

TYPE	ASHH	CAT. NO.	SDP0016C		
OUTPUT	1 HP 1 kW	FRAME	145TC	ODP	
R.P.M.	1150	POLE	6	INS.	F
VOLTS	230 / 460	PHASE	3	Hz	60
AMPS	3.5 / 1.7	CODE	N	S.F.	1.0 Only
AMBIENT	40 °C	NOM. EFF. 82.5		MIN. EFF. 80.0	
BEARINGS	6205ZZ / 6205ZZ			RATING Cont.	
SER. NO.	TBD	DESIGN	B	WT. 66 LBS	
PWM VFD DUTY	VT	CT	CP	S.F.	
	3-60Hz	6-60Hz	60-120Hz	1.0 Only	