

Technical Documentation

SDP07565

Optim ODP | ASHH

Date: December 1, 2016

Technical Data Sheet

Motor Type: ASHH

Catalogue No: SDP07565

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
75	6	1180	405T	575	60	3
Enclosure	Ins. Class	Service Factor	Time Rating	NEMA Design	Rated Amb.	Rated Altitude
ODP	F	1.15	Continuous	C	-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.					
94.5	93.6	95.0	94.5	86.5	85.5	79.0
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
333.70	220	200	250	20.5	68.8	434
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	
G	31.371	904	1317	17	12	69

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
6317	6317	1058

Hazardous Locations Information

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

Connection Diagram

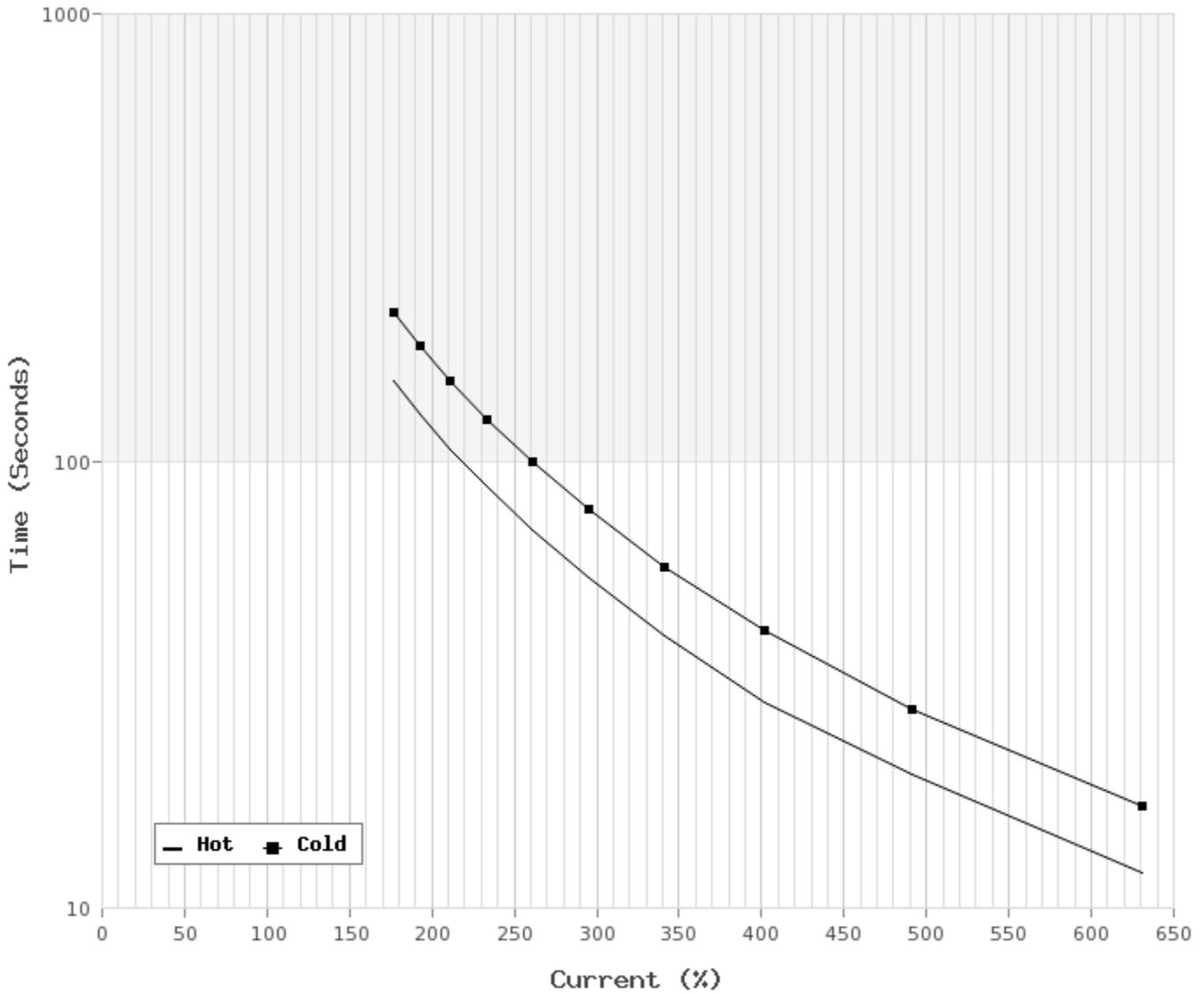


3 LEAD SINGLE VOLTAGE DELTA					
VOLTAGE	CONN.	L1	L2	L3	
-	DELTA	1	2	3	

WD_3D

Thermal Limit Curves

Motor Type: ASHH		Catalogue No: SDP07565		Family: Optim ODP	
HP	75	Safe Stall Time		Full Load A	0.0 / 68.8 A
Voltage	0 / 575V 60Hz	Hot	12 s	Locked Rotor A	631 %
RPM	1200	Cold	17 s	Locked Rotor A	0.0 / 434 A



T-N and I-N Curves

Motor Type: ASHH		Catalogue No: SDP07565		Family: Optim ODP	
HP	75	Full Load T	333.70 lb-ft	Full Load A	68.8 A
Voltage	575V 60Hz	Locked Rotor T	220 %	Locked Rotor A	434.0 A
RPM	1200	Pull Up T	200 %	Break Down T	250 %

