

Technical Documentation

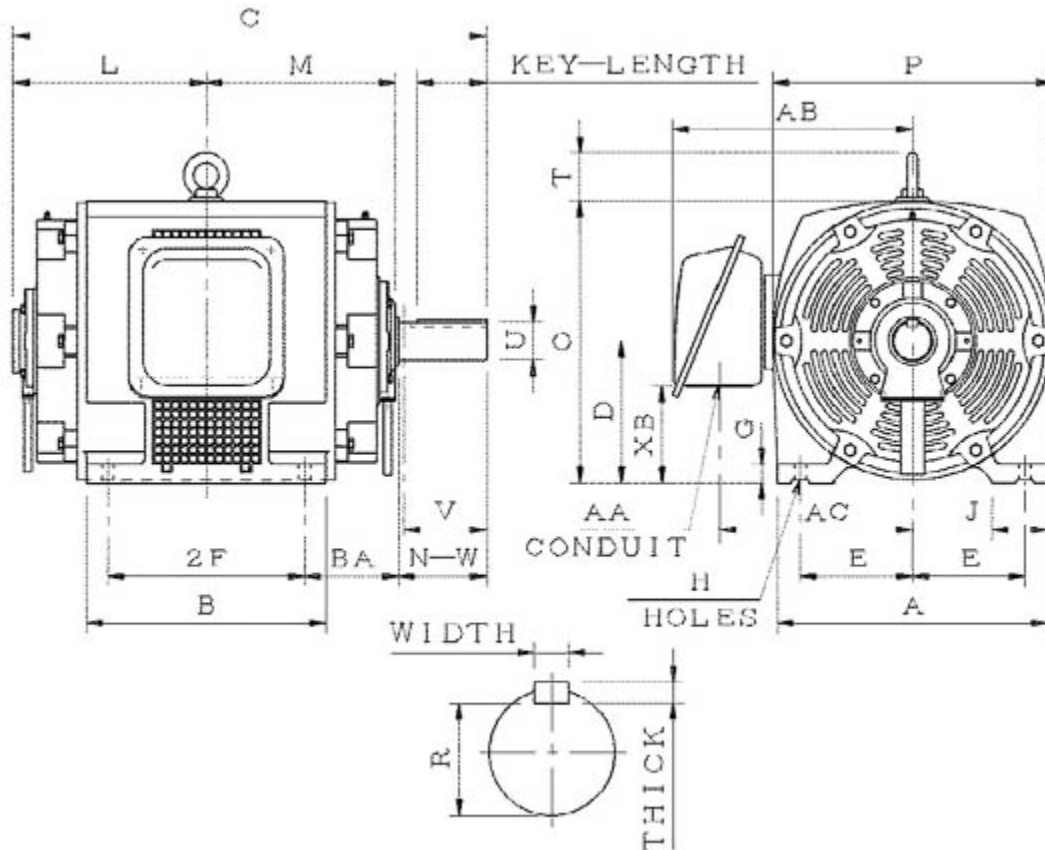
SDP07545

Optim ODP | ASHH

Date: December 1, 2016

Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
SDP07545	ASHH	75	4	55.95	Continuous	575 V	60	1800



ASHH-SMP-4

Frame Size		Mounting					A	B	C	CD	D
		E	2F	2F2	H	BA					
365T		7	12.25		0.66	5.88	16.93	14.95	29.95		9
G	J	K	L	M	O	P	T	Key			Keyseat
								Width	Thick	Length	R
1.3	3.55		12.07	11.8	17.95	17.5	2.8	0.625	0.625	4.28	2.021
Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	AJ	BF
3.62	14.9	12.09	6.17								
Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions	
N-W	U	V	DE	NDE							
5.88	2.375	5.75	6314	6213	772	70	F	1.15	Direct Coupling / Belt Drive	Inches	

Technical Data Sheet

Motor Type: ASHH

Catalogue No: SDP07545

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
75	4	1780	365T	575	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.					
95.0	94.1	95.0	95.0	86.0	84.0	77.0
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
221.22	180	155	225	20.2	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	11.740	338	420	17	12	70

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

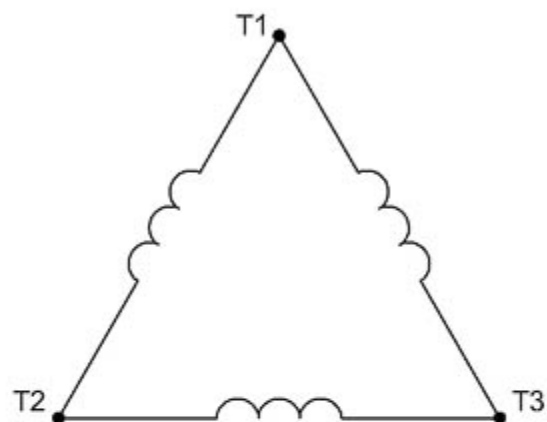
Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6314	6213	772

Hazardous Locations Information

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

Connection Diagram

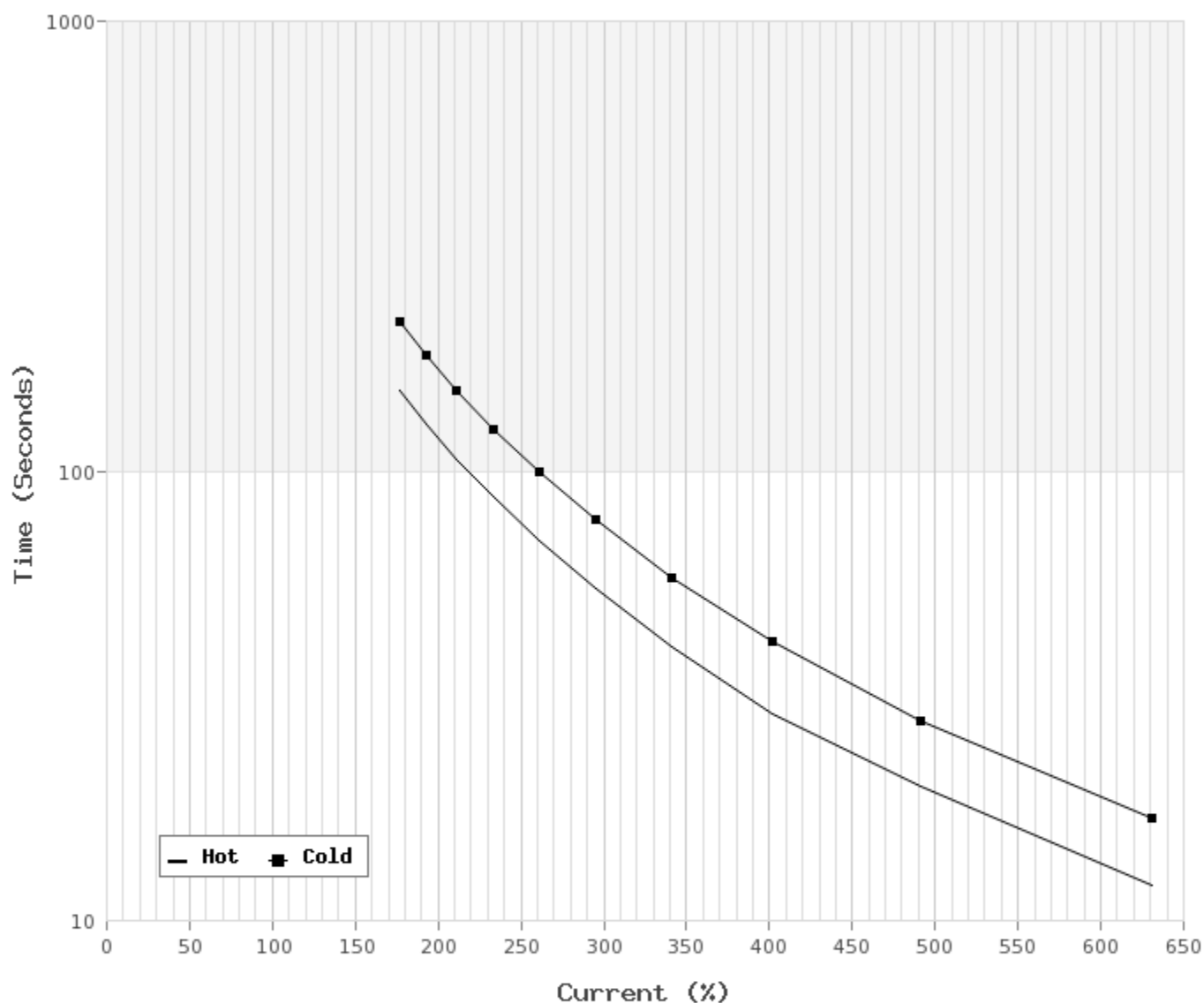


3 LEAD SINGLE VOLTAGE DELTA					
VOLTAGE	CONN.	L1	L2	L3	
-	DELTA	1	2	3	

WD_3D

Thermal Limit Curves

Motor Type: ASHH		Catalogue No: SDP07545		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	1800	Cold	17 s	Locked Rotor A	0.0 / 434 A



T-N and I-N Curves

Motor Type: ASHH		Catalogue No: SDP07545		Family: Optim ODP	
HP	75	Full Load T	221.22 lb-ft	Full Load A	68.8 A
Voltage	575V 60Hz	Locked Rotor T	180 %	Locked Rotor A	434.0 A
RPM	1800	Pull Up T	155 %	Break Down T	225 %

