

Technical Documentation

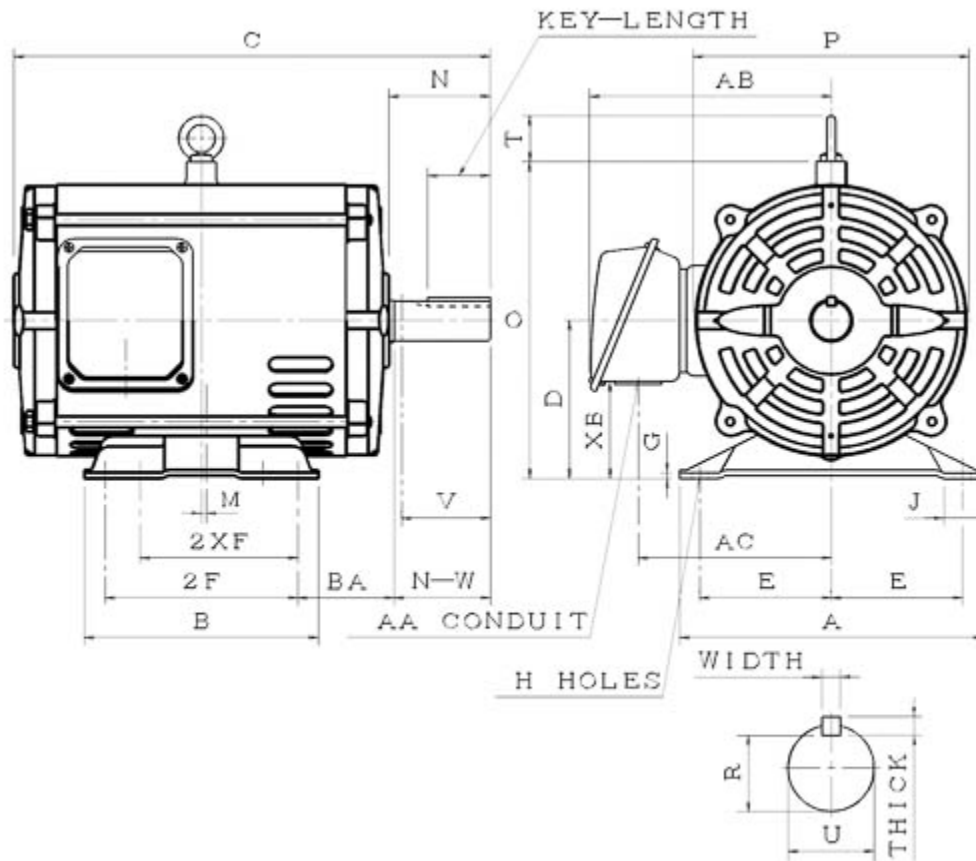
RD01045

Rolled Steel ODP | ASGH

Date: December 1, 2016

Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
RD01045	ASGH	10	4	7.5	Continuous	575 V	60	1800



ASGH-SMP-4

Frame Size		Mounting					A	B	C	CD	D
		E	2F	2F2	H	BA					
215T		8.5	7		0.41	3.5	9.7	8.2	18.09		5.25
G	J	K	L	M	O	P	T	Key			Keyseat
								Width	Thick	Length	R
0.18	1.22			0.45	10.53	8.98	1.63	0.312	0.312	2.41	1.201
Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	AJ	BF
1.38	8.16	6.38	2.81								
Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions	
N-W	U	V	DE	NDE							
3.38	1.375	3.3	6208ZZC3	6206ZZC3	143	65	F	1.15	Direct Coupling / Belt Drive	Inches	

Technical Data Sheet

Motor Type: ASGH

Catalogue No: RD01045

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
10	4	1755	215T	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.					
91.7	90.2	92.0	92.0	84.0	79.0	68.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
29.92	235	175	280	3.9	9.7	12
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	
H	0.916	51	95	17	12	65

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

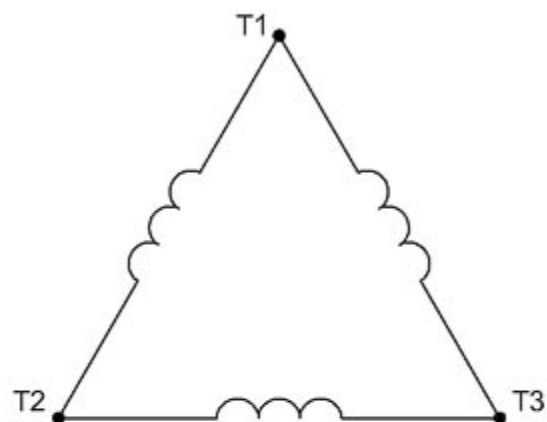
Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6208ZZC3	6206ZZC3	143

Hazardous Locations Information

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

Connection Diagram

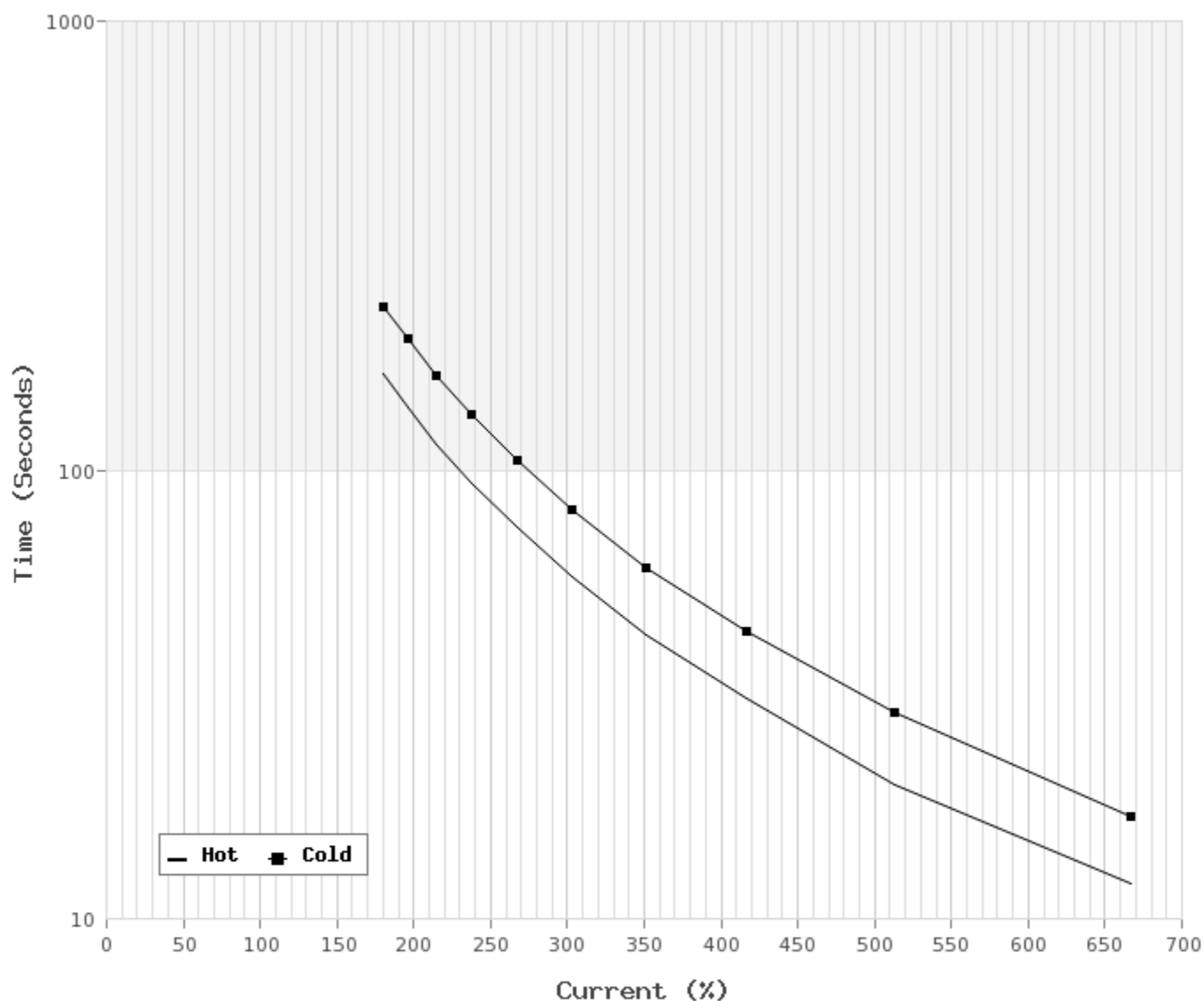


3 LEAD SINGLE VOLTAGE DELTA					
VOLTAGE	CONN.	L1	L2	L3	
-	DELTA	1	2	3	

WD_3D

Thermal Limit Curves

Motor Type: ASGH		Catalogue No: RD01045		Family: Rolled Steel ODP	
HP	10	Safe Stall Time		Full Load A	0.0 / 9.7 A
Voltage	0 / 575V 60Hz	Hot	12 s	Locked Rotor A	123 %
RPM	1800	Cold	17 s	Locked Rotor A	0.0 / 12 A



T-N and I-N Curves

Motor Type: ASGH		Catalogue No: RD01045		Family: Rolled Steel ODP	
HP	10	Full Load T	29.92 lb-ft	Full Load A	9.7 A
Voltage	575V 60Hz	Locked Rotor T	235 %	Locked Rotor A	12.0 A
RPM	1800	Pull Up T	175 %	Break Down T	280 %

