

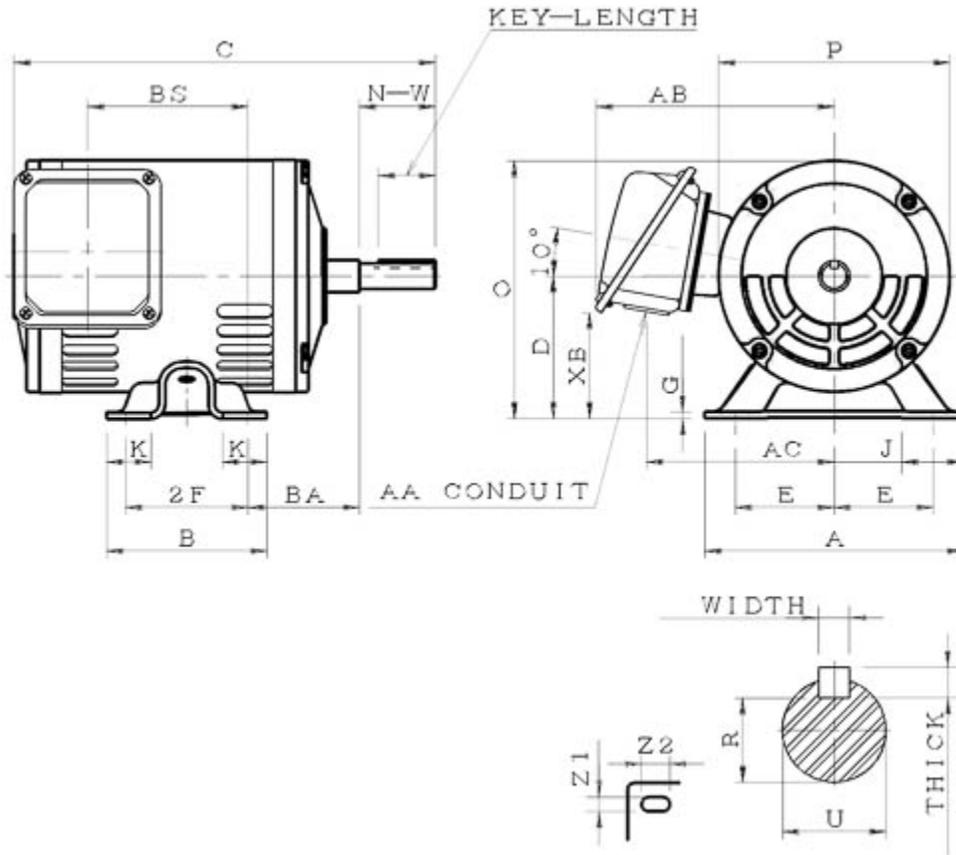
Technical Documentation

RD0/54
Rolled Steel ODP | ASGH

Date: November 30, 2016

Dimensional Drawing

Catalogue	Model	HP	Pole	kW	Rating	Voltage	Hz	RPM
RD0/54	ASGH	0.50	4	0.37	Continuous	230 / 460 V	60	1800



ASGH-SMP-1

Frame Size	Mounting					A	B	C	CD	D	
	E	2F	2F2	H	BA						
56	2.44	3		0.34x0.68	2.75	6.38	3.94	10.38		3.5	
G	J	K	L	M	O	P	T	Key			Keyseat
0.16	1.54	1.08			6.34	5.69		Width	Thick	Length	R
								0.188	0.188	1.41	0.517
Terminal Housing				Aux Box		C/D Flange					
AA	AB	AC	XB	AE	AX	BB	AH	AK	BD	Aj	BF
1.1	5.87	4.64	2.61								
Shaft Extension			Bearings		Approx. Weight Lbs	SPL dBA/3ft	Ins. Class	S.F.	Drive Method	Dimensions	
N-W	U	V	DE	NDE							
1.875	0.625		6204ZZ	6203ZZ	23	54	F	1.15	Direct Coupling / Belt Drive	Inches	

Technical Data Sheet

Motor Type: ASGH

Catalogue No: RD0/54

Nameplate Information

HP	Pole	RPM	Frame	Voltage	Hz	Phase
0.50	4	1735	56	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.					
74.0	77.0	74.5	70.0	73.5	64.5	51.5
Torque				Current (A)		
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	No Load	Full Load	Locked Rotor
1.51	275	265	370	1.2 / 0.6	1.7 / 0.8	12 / 6
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	
L	0.037	3.0	23	62	43	54

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

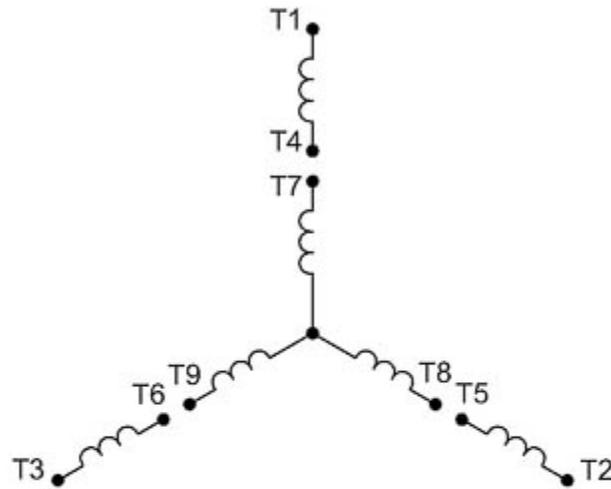
Additional Information

Bearings		Approx. Weight
DE	NDE	lbs
6204ZZ	6203ZZ	23

Hazardous Locations Information

N/A	
Temp Code (Sinewave / VFD)	/

Connection Diagram



9 LEAD DUAL VOLTAGE WYE					
VOLTAGE	CONN.	L1	L2	L3	JOIN
HIGH	WYE	1	2	3	4&7,5&8,6&9
LOW	2 WYE	1,7	2,8	3,9	4&5&6

WD_9Y