



Product Information Packet

VRBM3554T

1.5HP,1700RPM,3PH,60HZ,145TC,7530M,TEFC

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	75WGW061	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	75J035	Layout:	75LYJ035	Poles:	04	Created Date:	09-05-2007
Base:	N	Eff. Date:	06-29-2018	Leads:	9#18		

Specs			
Catalog Number:	VRBM3554T	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	145TC	Insulation Class:	F
Frame Material:	Aluminum	Inverter Code:	Not Inverter
Output @ Frequency:	1.500 HP @ 60 HZ	KVA Code:	J
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Type:	7530M
	230.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	75
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Rodent Screen:	None
	CSA	Shaft Extension Location:	Pulley End
Base Indicator:	No Mounting	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Blower:	None	Speed Code:	Single Speed
Current @ Voltage:	2.300 A @ 460.0 V	Motor Standards:	NEMA
	4.600 A @ 230.0 V	Starting Method:	Direct on line
Design Code:	D	Thermal Device - Winding:	None

Duty Rating:	CONT	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	VRBM3554T															
SPEC.	75J035W061G1															
HP	1.5															
VOLTS	230/460															
AMP	4.6/2.3															
RPM	1700															
FRAME	145TC				HZ		60		PH	3						
SER.F.	1.15		CODE		J	DES		D	CLASS		F					
NEMA-NOM-EFF	82.5		PF		75		USABLE AT 208V									
RATING	40C AMB-CONT															
CC																
DE	6205				ODE							6205				
ENCL	TEFC		SN													

Parts List		
Part Number	Description	Quantity
SA162556	SA 75J035W061G1	1.000 EA
RA151082	RA 75J035W061G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
75CB3000A04	COND BOX FOR 75SF2000 (REL# 7932952C)	1.000 EA
51XT1032A10	10-32X.62 HX SLD WASHER TAPP SERRATED	3.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
51XN0832A16	8-32 X 1.00 HEX SLOT WSHR HD MACH SCREW	1.000 EA
XY0832A02	8-32 HEX NUT	1.000 EA
HW1001A08	WASHER, #8 SPLT LK, ZN	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35EP3307F00	MASTER DE,205 BRG,.998SH,#26 DRN	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HW1001A10	WASHER, #10 SPLT LK, ZN X	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
BR2003D01	SPLINED HUB 7/8 W/O KEY	1.000 EA
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 EA
35FN3003A02	EXFN, PLASTIC, 5.88 OD, .876 ID (REL)	1.000 EA
35FH4007A01	FAN COVER FOR SHORT SERIES BRAKE, PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 EA
35CB4517	LIPPED LID, 4 MTG HOLES, (RELIANCE# 7932	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1418	INTEGRAL BRK ADJ LABEL (REL# 41171617A)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A71	THRUBOLT 10-32 X 9.500	4.000 EA
43BK0300B02	SSB-10-230/460 (205)L-HUB	1.000 EA
031389	DODGE FAST RESPONSE KIT 230V	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
G7PA1000	PKG GRP, PRINT PK1034A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
PE-0000001	ZRTG PE ASSEMBLY	1.000 EA

AC Induction Motor Performance Data

Record # 26789 - Typical performance - not guaranteed values

Winding: 75WGW061-R001	Type: 7530M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.62 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4.6/2.3			Breakdown Torque	17.5 LB-FT
R.P.M.	1700			Pull-up Torque	14.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.4 LB-FT
NEMA Design Code	D	KVA Code	J	Starting Current	14.9 A
Service Factor (S.F.)	1.15			No-load Current	1.24 A
NEMA Nom. Eff.	82.5	Power Factor	75	Line-line Res. @ 25°C	9.45 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	43°C
S.F. Amps				Temp. Rise @ S.F. Load	52°C
				Locked-rotor Power Factor	60
				Rotor inertia	0.177 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	68	75	81	83	79
Efficiency	73.5	82	83.6	82.9	81.8	79.2	82.2
Speed	1778	1752	1725	1695	1667	1626	1678
Line amperes	1.32	1.56	1.87	2.26	2.63	3.17	2.48

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





