

BALDOR® • RELIANCE

Product Information Packet

VM3770T

7.5HP,1765RPM,3PH,60HZ,213TC,0729M,TEFC

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0729M	Elec. Spec:	07WGX835	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07C153	Layout:	07LYC153
Frame:	213TC	Mounting:	F1	Poles:	04	Created Date:	11-26-2007
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-08-2013
Leads:	9#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	VM3770T								
SPEC.	07C153X835H1								
HP	7.5								
VOLTS	208-230/460								
AMP	22.3-20.6/10.3								
RPM	1765								
FRAME	213TC	HZ			60	PH	3		
SER.F.	1.15	CODE			J	DES	A	CLASS	F
NEMA-NOM-EFF	89.5	PF			76				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6307	ODE			6206				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA165830	SA 07C153X835H1	1.000 EA
RA154221	RA 07C153X835H1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
09GS1000SP	GASKET-CONDUIT BOX, 1/16 THICK LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
37EP1100A01	FR ENDPLATE MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1300A01SP	FACE MT ENDPLATE-ENCL-307 BRG-213TC-215T	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
07FH4007SP	IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
09GS1013SP	09 GS FOR 09CB3501 LID - LEXIDE	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.036 GA
HA3104A32	THRUBOLT- 5/16-18 X12.750	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
07PA1095	PKG GRP, VER 07 CAST IRON	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 22675 - Typical performance - not guaranteed values

Winding: 07WGX835-R001	Type: 0729M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.2 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	22.3-20.6/10.3			Breakdown Torque	73.7 LB-FT
R.P.M.	1765			Pull-up Torque	32.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	48.5 LB-FT
NEMA Design Code	A	KVA Code	J	Starting Current	74.3 A
Service Factor (S.F.)	1.15			No-load Current	5.64 A
NEMA Nom. Eff.	89.5	Power Factor	76	Line-line Res. @ 25°C	1.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	65°C
S.F. Amps				Temp. Rise @ S.F. Load	78°C
				Rotor inertia	0.713 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	57	69	76	80	82	78
Efficiency	80.2	87.6	89.3	89.6	89	88.1	89.2
Speed	1792	1785	1776	1767	1757	1747	1761
Line amperes	5.97	7	8.52	10.31	12.35	14.58	11.5

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





