

BALDOR® • RELIANCE

Product Information Packet

VL5005A

.5HP,1140RPM,1PH,60HZ,56C,X3528L,XPFC,F1

Part Detail							
Revision:	AR	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528L	Elec. Spec:	35WG0528	CD Diagram:	CD0008
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	35E371	Layout:	35LYE371
Frame:	56C	Mounting:	F1	Poles:	06	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	11-11-2015
Leads:	6#18,1#16 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0016XPSL

NO.		CC	
SER.			
SPEC.	35E371-528		
CAT.NO.	VL5005A		
HP	.5	T. CODE	T4
VOLTS	115/230		
AMPS	8/4		
RPM	1140		
HZ	60	PH	1
SER.F.	1.00	DES	N
RATING	40C AMB-CONT		
FRAME	56C	CL	B
USABLE AT 208V		CODE	L
BLANK		NEMA-NOM-EFF	59
		PF	63

Parts List		
Part Number	Description	Quantity
SA024058	SA 35E371-528	1.000 EA
RA020108	RA 35E371-528	1.000 EA
TPMRJ36RX	THERMAL 1PH 0.75 AUT 120C	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3702A01SP	PU EP-205 BRG-35X-56C-143-5TC	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HA3013A01	1/2-20X5/8 SPL.HX BOLT	2.000 EA
HW3021C06	3/32 DI X .625 PIN (F/S)	2.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A01SP	IEC FH NO GREASER W/PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
SP5051A64	MODEL 35 TORQ STATIONARY SWITCH FOR XP	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.017 GA
NS2500A06	INSULATOR,AUTO THER PROT,W/PSA ON 1 SIDE	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	2.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	1.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 20315 - Typical performance - not guaranteed values

Winding: 35WG0528-R003	Type: 3528L	Enclosure: XPFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	2.25 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	8/4			Breakdown Torque	5 LB-FT
R.P.M.	1140			Pull-up Torque	4.75 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	6.5 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	19 A
Service Factor (S.F.)	1			No-load Current	3.5 A
NEMA Nom. Eff.	59	Power Factor	63	Line-line Res. @ 25°C	4.83 Ω A Ph 3.14 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	48°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	41	49	59	65	69	65
Efficiency	39.7	57	62.3	64.7	64.9	63.4	64.9
Speed	1189	1178	1170	1156	1144	1130	1144
Line amperes	3.5	3.7	3.9	4.3	4.8	5.3	4.8

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





