

BALDOR® • RELIANCE

Product Information Packet

CHC3525A

.5 AIR OVERHP,1100RPM,1PH,60HZ,56Z,3528C

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528C	Elec. Spec:	35WGN460	CD Diagram:	CD0381
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	35H317	Layout:	35LYH317
Frame:	56Z	Mounting:	F1	Poles:	06	Created Date:	03-29-2012
Base:	RS	Rotation:	RS	Insulation:	B	Eff. Date:	02-19-2013
Leads:	7#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L									
CAT.NO.	CHC3525A								
SPEC.	35H317N460G1								
HP	.5 AIR OVER								
VOLTS	115/230								
AMP	5.2/2.6								
RPM	1100								
FRAME	56Z	HZ			60	PH	1		
SER.F.	1.00	CODE			C	DES	-	CL	B
NEMA-NOM-EFF	70	PF			92				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6203	ODE			6203				
ENCL	TEAO	SN							

Parts List		
Part Number	Description	Quantity
SA241736	SA 35H317N460G1	1.000 EA
RA228655	RA 35H317N460G1	1.000 EA
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
RM1001A01	GROMMET "MIDSTATES"	1.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	1.000 EA
LD5000A01	LEAD ASSY, ML1400DF14 W/(2) #10 RING 7"	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000 EA
35EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
RM1000A02SP	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1101A01	PU ENPLATE, MACH	1.000 EA
RM1000A02SP	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
HA6005A01	CLAMP, BASE	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET,1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	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	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA
MG1025C02	RAL6081, LIGHT SUPER TAN, GLOSS 85,	0.017 GA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
SP5078A02	MODEL 35 TERMINAL PANEL, NO SWITCH, W/ L	1.000 EA
35BA4002B01	RESILIENT BASE, STAMPED	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
35PA1067	PACK GROUP COMBINED PRINT WITH OSB BASE	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 # 37997 - Typical performance - not guaranteed values

Winding: 35WGN460-R001	Type: 3528C	Enclosure: TEAO
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5 AIR OVER			Full Load Torque	2.4 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	5.2/2.6			Breakdown Torque	4.45 LB-FT
R.P.M.	1100			Pull-up Torque	1.13 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.26 LB-FT
NEMA Design Code	-	KVA Code	C	Starting Current	8.08 A
Service Factor (S.F.)	1			No-load Current	0.969 A
NEMA Nom. Eff.	70	Power Factor	92	Line-line Res. @ 25°C	8.6061 Ω A Ph 3.8119 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	49°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	84	89	91	92	92	92
Efficiency	40.5	59.5	68.5	71.1	70.3	63
Speed	1182.5	1166	1146.1	1118.8	1086.5	1024.5
Line amperes	1.25	1.61	2.03	2.54	3.04	3.94

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





