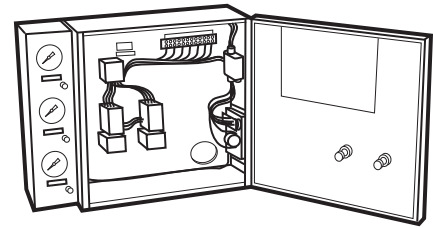


Compressors, Chillers & Condensers

CARLYLE OPEN DRIVE COMPRESSORS/ACCESSORIES

CONTROL PANELS

Control panels are designed for indoor use to control compressor and condensing units from 5 thru 150 Hp, in 208 to 575 volts, across-the-line starting applications. All units operate on 120 volt control circuit. Control panel easily mounts on one end of the unit base. Simple conversion to part-winding starting on 2 contactor models by adding time delay Part No. HN67ZA001. Single contactor panels require the addition of another contactor of the same size and time delay **Part No. HN67ZA001.**



Single overload panels: overload dial is set at a value equal to NEC motor full load current rating and will trip at 125% of this rating. If tripping is required at 115% of NEC motor full load current rating, set the overload dial to value 0.92 times F.L.C. value. Two overload panels: Each overload dial is set at a value equal to one half of NEC motor full load current rating and will trip at 125% of the setpoint. If tripping is required at 115% of NEC motor full load current rating, set each overload dial to value of 0.92 times one half of F.L.C. value.

FEATURES:

ETL APPROVED

OIL PRESSURE SAFETY SWITCH protects compressor against damage from low oil pressure.

TIME GUARD circuit protects compressor and motor against short cycling.

OVERLOAD RELAY* manual reset.

SUCTION, DISCHARGE, OIL PRESSURE

GAUGES display operating conditions.

GAUGE SHUTOFF VALVES

CAPILLARIES supplied for pressure gauges and switches.

CONTACTORS

TERMINAL BLOCKS for field connections.

GROUNDING LUG

CRANKCASE HEATER RELAY energizes heater on compressor shutdown to prevent dilution of oil by refrigerant.

PUMPOUT RELAY safeguards compressor against liquid refrigerant slugging on start-up.

ELAPSED RUNNING TIME METER

WIRE ASSEMBLIES provided in conduit are used to connect panel box and external controls to a junction box (provided).

FUSE, ON-OFF SWITCH, NEMA ENCLOSURE

HINGED COVER

HEAVY DUTY PANEL MOUNTING BASE is provided. Can be welded to compressor base or attached with supplied hardware.

From the National Electrical Code based on motor horsepower and voltage.

†AC3 rating is an IEC (International Electrical Code) rating per U.L. standards.

The contactors supplied with the panels are not definite purpose contactors.

They are specific to motor switching circuits.

NOTE: The information presented in the table on the previous page is for the current control panels offered through RCD.

COMPRESSOR TO DRIVE MOTOR COMBINATIONS

5F COMPRESSOR/MOTOR COMBINATIONS

Motor selection is based on compressor rating charts.

5F COMPRESSOR/MOTOR COMBINATIONS

COMPRESSOR MODEL	MOTOR H.P. RATING
5F20	5,7.5,10
5F30	7.5,10,15
5F40	7.5,10,15,20,25
5F60	10,15,20,25,30

NOTE: Extended stroke compressors (5H46,66,86,126) should not be applied on belt drive applications.

5H COMPRESSOR/MOTOR COMBINATIONS

COMPRESSOR MODEL	MOTOR H.P. RATING
5H40	20,25,30,40,50
5H46*	25,30,35,40,50,60
5H60	30,40,50,60,75
5H66*	40,50,60,75,100
5H80	40,50,60,75,100
5H86*	50,60,75,100,125
5H120*	60,75,100,125,150
5H126*	75,100,125,150,200

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration

Compressors, Chillers & Condensers

CARLYLE OPEN DRIVE COMPRESSORS/ACCESSORIES CONTROL PANELS

CONTROL PANEL PART NO	HP	MOTOR		CONTACTOR		OVERLOAD		LUG WIRE RANGE (AWG)	APPROX SHIP WT (lbs)
		NEC Amps (FLA)*	Volts	Rating (AC3)†	Qty	Amp Range	Qty		
32CF131A4	5	17.5	208	28	1	13-19	1	12-8	115
32CF131A5	5	15.2	230	17	1	13-19	1	18-10	115
32CF131A6	5	7.6	460	9	1	6-8.5	1	18-10	115
32CF131A1	5	6.1	575	9	1	4.5-6.5	1	18-10	115
32CF132B4	7.5	25	208	28	1	24-32	1	12-8	115
32CF132B5	7.5	22	230	28	1	18-25	1	12-8	115
32CF131B6	7.5	11	460	11	1	14-Oct	1	18-10	115
32CF131B1	7.5	9	575	9	1	7.5-11	1	18-10	115
32CF142C4	10	32	208	32	1	29-42	1	8-4	115
32CF142C5	10	28	230	32	1	24-32	1	8-4	115
32CF131C6	10	14	460	17	1	13-19	1	18-10	115
32CF131C1	10	11	575	11	1	14-Oct	1	18-10	115
32CF153D4	15	48	208	54	1	36-52	1	8-1	115
32CF153D5	15	42	230	41	1	36-52	1	8-1	115
32CF132D6	15	21	460	28	1	18-25	1	12-8	115
32CF131D1	15	17	575	17	1	13-19	1	18-10	115
32CF242E4	20	62	208	65	1	45-63	1	8-1	115
32CF242E5	20	54	230	54	1	45-63	1	8-1	115
32CF142E6	20	27	460	32	1	24-32	1	8-4	115
32CF142E1	20	22	575	28	1	18-25	1	12-8	115
32CF243F4	25	78	208	80	1	60-80	1	8-1	130
32CF242F5	25	68	230	80	1	60-80	1	8-1	130
32CF152F6	25	34	460	41	1	29-42	1	8-4	115
32CF152F1	25	27	575	28	1	24-32	1	12-8	115
32CF253G4	30	92	208	95	1	80-110	1	6-2/0	130
32CF243G5	30	80	230	80	1	60-80	1	8-1	130
32CF231G6	30	40	460	41	1	29-42	1	8-4	115
32CF141G1	30	32	575	32	1	29-42	1	8-4	115
32CF263H4	40	120	208	130	1	100-135	1	8-3/0	130
32CF263H5	40	104	230	110	1	80-110	1	6-2/0	130
32CF242H6	40	52	460	54	1	45-63	1	8-1	115
32CF241H1	40	41	575	41	1	29-42	1	8-4	115
32CG273J4	50	150	208	156	1	130-175	1	8-250MCM	130
32CG273J5	50	130	230	130	1	100-135	1	8-3/0	130
32CF242J6	50	65	460	65	1	60-80	1	8-1	130
32CF242J1	50	52	575	54	1	45-63	1	8-1	115
32CH295K4	60	177	208	192	1	150-200	1	6-250MCM	130
32CH295K5	60	154	230	156	1	130-175	1	8-250MCM	130
32CF253K6	60	77	460	80	1	60-80	1	8-1	130
32CF252K1	60	62	575	65	1	60-80	1	8-1	130
32CH205L4	75	221	208	242	1	220-310	1	4-500MCM	130
32CH205L5	75	192	230	192	1	150-200	1	6-250MCM	130
32CF263L6	75	96	460	11	1	80-110	1	6-2/0	130
32CF263L1	75	77	575	95	1	80-110	1	6-2/0	130
32CI216M4	100	285	208	156	2	110-150	2	6-350MCM	130
32CI216M5	100	248	230	130	2	100-135	2	6-350MCM	130
32CH274M6	100	124	460	130	1	100-135	1	8-3/0	130
32CF273M1	100	99	575	110	1	80-110	1	6-2/0	130
32CI227N4	125	358	208	192	2	150-200	2	6-350MCM	130
32CI227N5	125	312	230	156	2	130-175	2	6-350MCM	130
32CI205N6	125	156	460	156	1	130-175	1	8-250MCM	130
32CI225N1	125	125	575	130	1	100-135	1	8-3/0	130
32CJ217P4	150	415	208	242	2	165-235	2	2-600MCM	130
32CJ227P5	150	360	230	192	2	150-200	2	6-350MCM	130
32CJ205P6	150	180	460	192	1	150-200	1	6-250MCM	130
32CJ284P1	150	144	575	156	1	110-150	1	8-250MCM	130
32CJ218Q4	200	550	208	302	2	220-310	2	2-600MCM	130
32CJ218Q5	200	480	230	242	2	220-310	2	2-600MCM	130
32CJ216Q6	200	240	460	242	1	220-310	1	4-500MCM	130
32CJ205Q1	200	192	575	192	1	150-200	1	6-250MCM	130