



HIGH PERFORMANCE COMPRESSOR LINE

HP Series



Models...

HP80 (80cc) Ear & Alternator Mount

HP130 (138cc)

HPA130 (138cc)

HP150 (155cc)

HP160 (171cc)

HP210 (209cc)

HP210E (209cc) New Ear Mount Model

HP310 (310cc)

Super Heavy Duty Compressors designed and developed for today's heavy load.

- A highly efficient swash plate compressor utilizing latest design technology
- Includes half ball shoes proven to reduce failure from liquid slugging (excluding HP310)
- PTFE coated pistons coupled with low friction swash plate reduces friction and improves isentropic efficiency (excluding HP310)
- High strength, high silicon alloy castings ensure long life under the most arduous conditions (excluding HP310)
- 10 high capacity cylinders guaranteeing low noise and reduced vibration, and harshness (NVH) (Excluding HP80 - 6 Cyl)
- Drop-in replacement for TM and SD Series Compressors
- Fittings are coated with a CAT-ION Coating process for improved corrosion resistance.

Omega Environmental Technologies • 1401 Valley View Lane, Suite 100 • Irving, Texas 75061

Main: 972.812.7000 • Fax 972-314-9567 • Toll Free Phone: 888.286.6342

www.omega-usa.com

HIGH PERFORMANCE - COMPRESSOR LINE

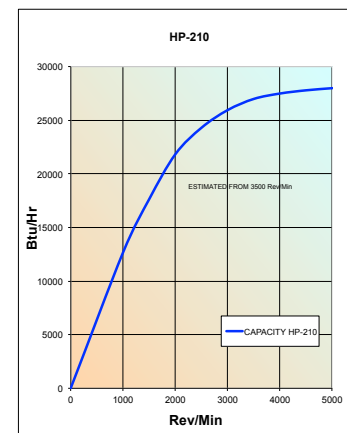
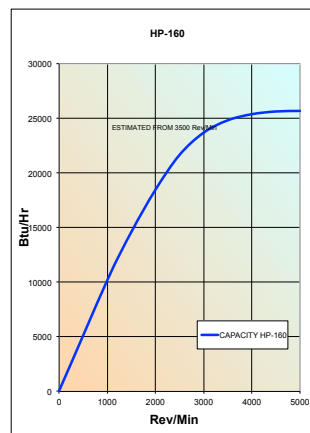
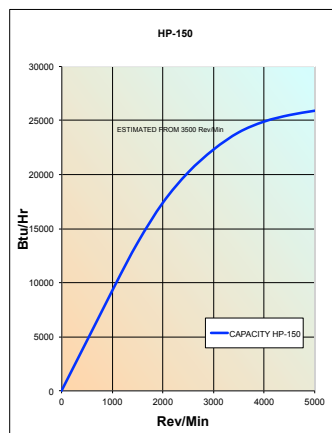
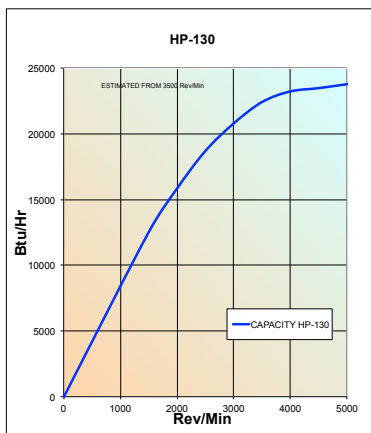
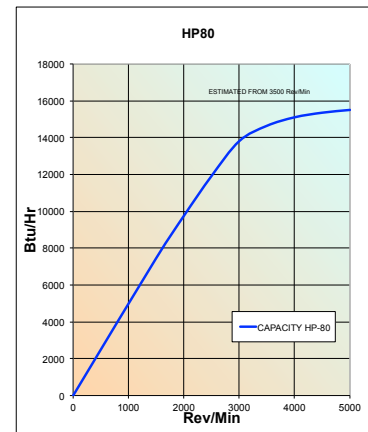
Omega	Model	Mount	Fitting and Orientation	Manifold	Groove	Dia.	Hub	Volt	Coil	Clutch
20-42083-HP	HP80	ALTERNATOR	Fittings Built into Compressor	N/A	2A	135mm	3 Eye	12V	1 wire	22-10206
20-42072-HP	HP80	ALTERNATOR	Fittings Built into Compressor	N/A	2A	135mm	Leaf Spring	12V	1 wire	22-20204
20-52322-HP	HP80	ALTERNATOR	Fittings Built into Compressor	N/A	PV8	120mm	3 Eye	24V	1 wire	22-10209
20-52323-HP	HP80	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	125mm	Leaf Spring	24V	1 wire	22-20213
20-42021-HP	HP80	EAR	Monolithic Head**	N/A	2A	135mm	3 Eye	12V	1 wire	22-10206
20-42038-HP	HP80	EAR	Monolithic Head**	N/A	2A	120mm	3 Eye	12V	1 wire	22-20206
20-10251-HP	HP130	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	3 Eye	12V	1 wire	22-10206
20-44122-HP	HP130	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-44123-HP	HP130	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	3 Eye	24V	1 wire	22-10209-24
20-44210-HP	HP130	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	135mm	3 Eye	12V	1 wire	22-10206
20-44212-HP	HP130	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	135mm	3 Eye	24V	1 wire	22-10204
20-44234-HP	HP130	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	120mm	3 Eye	12V	1 wire	22-10209-24
20-10242-HP	HP130	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	3 Eye	12V	1 wire	22-10206
20-44120-HP	HP130	EAR	Vertical O-ring Manifold Attached	21-10133	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-42120-HP	HPA130	EAR (SHORT)	Monolithic Head**	N/A	2A	120mm	3 Eye	12V	1 wire	22-20201
20-10244-HP	HPA130	EAR (SHORT)	Monolithic Head**	N/A	2A	135mm	3 Eye	12V	1 wire	22-10206
20-10245-HP	HPA130	EAR (SHORT)	Monolithic Head**	N/A	PV6	120mm	3 Eye	12V	1 wire	22-20206
20-42121-HP	HPA130	EAR (SHORT)	Monolithic Head**	N/A	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-10236-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	3 Eye	12V	1 wire	22-10206
20-45330-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	Leaf Spring	12V	1 wire	22-20204
20-45017-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	3 Eye	24V	1 wire	22-10204
20-45029-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	3 Eye	24V	1 wire	22-10204
20-45317-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	Leaf Spring	24V	1 wire	22-20516
20-10260-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-45322-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	Leaf Spring	12V	1 wire	22-10208
20-45123-HP	HP150	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	3 Eye	24V	1 wire	22-10209-24
20-45222-HP	HP150	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	125mm	Leaf Spring	12V	1 wire	22-20201
20-10275-HP	HP150	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	135mm	3 Eye	12V	1 wire	22-10206
20-10264-HP	HP150	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-10356-HP	HP150	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-45036-HP	HP150	EAR	Horizontal Tube-O Manifold Attached	21-10134	2A	125mm	Leaf Spring	12V	1 wire	22-20201
20-45075-HP	HP150	EAR	Horizontal Tube-O Manifold Attached	21-10134	2A	125mm	Leaf Spring	12V	1 wire	22-20201
20-45039-HP	HP150	EAR	Horizontal Tube-O Manifold Attached	21-10134	2A	135mm	3 Eye	12V	1 wire	22-10206
20-10262-HP	HP150	EAR	Horizontal Tube-O Manifold Attached	21-10134	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-45129-HP	HP150	EAR	Horizontal Tube-O Manifold Attached	21-10134	PV8	120mm	3 Eye	24V	1 wire	22-10209-24
20-45021-HP	HP150	EAR	Monolithic Head**	N/A	2A	135mm	3 Eye	12V	1 wire	22-10206
20-45056-HP	HP150	EAR	Monolithic Head**	N/A	2A	135mm	3 Eye	24V	1 wire	22-10204
20-10258-HP	HP150	EAR	Monolithic Head**	N/A	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-45141-HP	HP150	EAR	Monolithic Head**	N/A	PV8	120mm	Leaf Spring	12V	1 wire	22-10208
20-10295-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	1A SOH	125mm	Leaf Spring	12V	1 wire	22-10200
20-10246-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	3 Eye	12V	1 wire	22-10206
20-45069-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	3 Eye	12V	1 wire w/ diode	22-10206
20-45311-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	Leaf Spring	12V	1 wire	22-20204
20-10235-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	3 Eye	24V	1 wire	22-10204
20-45315-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	Leaf Spring	24V	1 wire	22-20516
20-45019-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	PV6	120mm	3 Eye	12V	1 wire	22-20206
20-45319-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	PV6	120mm	Leaf Spring	12V	1 wire	22-10215
20-45368-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	PV6	120mm	Leaf Spring	12V	1 wire	22-10215
20-10294-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-45320-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	PV8	120mm	Leaf Spring	12V	1 wire	22-10208
20-45125-HP	HP150	EAR	Vertical O-ring Manifold Attached	21-10133	PV8	120mm	3 Eye	24V	1 wire	22-10209-24
20-46030-HP	HP160	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	3 Eye	12V	1 wire	22-10206
20-46017-HP	HP160	EAR	Horizontal O-ring Manifold Attached	21-10135	2A	135mm	3 Eye	24V	1 wire	22-10204
20-10268-HP	HP160	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-46123-HP	HP160	EAR	Horizontal O-ring Manifold Attached	21-10135	PV8	120mm	3 Eye	24V	1 wire	22-10208-24
20-46222-HP	HP160	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	125mm	Leaf Spring	12V	1 wire	22-20201
20-46241-HP	HP160	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	125mm	Leaf Spring	24V	1 wire	22-20213
20-46210-HP	HP160	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	135mm	3 Eye	12V	1 wire	22-10206
20-46212-HP	HP160	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	135mm	3 Eye	24V	1 wire	22-10204
20-46204-HP	HP160	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	152mm	3 Eye W/Dust	12V	1 wire	22-11227
20-46234-HP	HP160	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-46028-HP	HP160	EAR	Horizontal Tube-O Manifold Attached	21-10134	2A	135mm	3 Eye	12V	1 wire	22-10206
20-46029-HP	HP160	EAR	Horizontal Tube-O Manifold Attached	21-10134	2A	135mm	3 Eye	24V	1 wire	22-10204
20-46129-HP	HP160	EAR	Horizontal Tube-O Manifold Attached	21-10134	PV8	120mm	3 Eye	24V	1 wire	22-10209-24
20-10290-HP	HP160	EAR	Monolithic Head**	N/A	1C	159mm	3 Eye	24V	1 wire	22-1201-24
20-46021-HP	HP160	EAR	Monolithic Head**	N/A	2A	135mm	3 Eye	12V	1 wire	22-10206
20-46056-HP	HP160	EAR	Monolithic Head**	N/A	2A	135mm	3 Eye	24V	1 wire	22-10204
20-10266-HP	HP160	EAR	Monolithic Head**	N/A	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-46018-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	2A	125mm	Leaf Spring	12V	1 wire	22-20201
20-46011-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	3 Eye	12V	1 wire	22-10206
20-46015-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	3 Eye	24V	1 wire	22-10204
20-46315-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	2A	135mm	Leaf Spring	24V	1 wire	22-20516
20-46019-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	PV6	120mm	3 Eye	12V	1 wire	22-20206
20-46120-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	PV8	120mm	3 Eye	12V	1 wire	22-10209
20-46125-HP	HP160	EAR	Vertical O-ring Manifold Attached	21-10133	PV8	120mm	3 Eye	24V	1 wire	22-10209-24
20-47251-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	1B	150mm	3 Eye	24V	1 wire	22-10236
20-47240-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	145mm	3 Eye	12V	2 wire	22-10223
20-47242-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	145mm	E Eye	24V	2 wire	22-10225
20-47245-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	127mm	3 Eye	12V	2 wire	NA
20-47248-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	127mm	3 Eye	24V	2 wire w/ diode	NA
20-47244-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	141mm	3 Eye	12V	2 wire	22-10224
20-47246-HP	HP210	DIRECT	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	141mm	3 Eye	24V	2 wire	22-10226
20-47250-HP	HP210		Order Manifold Separately	Listed Below	1B		3 Eye	12V		22-10228
20-48251-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	1B	128mm	3 Eye	24V	2 wire	NA
20-48250-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	1B	150mm	3 Eye	12V	2 wire	22-10228
20-48242-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	134mm	3 Eye	24V	2 wire	NA
20-48240-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	145mm	3 Eye	12V	2 wire	22-10223
20-68238-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	2A	145mm	3 Eye	12V	2 wire	22-10223
20-68269-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV10	141mm	3 Eye	12V	2 wire	22-10231

HIGH PERFORMANCE – COMPRESSOR LINE

Omega	Model	Mount	Fitting and Orientation	Manifold	Groove	Dia.	Hub	Volt	Coil	Clutch
20-68272-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV10	141mm	3 Eye	24V	2 wire	NA
20-68256-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV6	120mm	3 Eye	12V	2 wire	22-10233
20-68268-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	120mm	3 Eye W/CD	24V	2 wire	NA
20-48245-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	125mm	3 Eye	12V	2 wire	NA
20-48248-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	125mm	3 Eye Separately	24V	2 wire	NA
20-48244-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	141mm	3 Eye	12V	2 wire	22-10224
20-48246-HP	HP210E	EAR	Horizontal Pad Bolt-On Order Separately	Listed Below	PV8	141mm	3 Eye	24V	2 wire	22-10226
20-10279-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	2A	152mm	5 Eye	12V	1 wire	22-10218-AM
20-10280-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	2A	152mm	5 Eye	24V	1 wire	22-10216-AM
20-10281-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	2B	152mm	5 Eye	12V	1 wire	22-10219-AM
20-10282-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	2B	152mm	5 Eye	24V	1 wire	22-10217-AM
20-46570-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	PV10	152mm	5 Eye	24V	1 wire	NPN
20-10283-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	PV8	152mm	5 Eye	12V	1 wire	22-10220-AM
20-10284-HP	HP310	DIRECT	11/16 x 7/8 O-ring Fittings Attached	Listed Below	PV8	152mm	5 Eye	24V	1 wire	22-10221-AM



PERFORMANCE CURVES



HIGH PERFORMANCE - COMPRESSOR LINE

Over 100 configurations available.



HP80



HP80 (Alternator Mnt)



HP130



HP150



HP160, HP210E



HP210



HP310

Compressors are available with or without fittings installed.

	Clutch Description	Volts
	1A Groove, 3 Eye, 125mm, Overhang Variable Groove, 3 Eye, 159 mm Variable Groove w/Dust Cover, 159 mm 1A, Over Hang, Spring Leaf, 125 mm	24V 12/24V 12/24V 12V
	1B Groove 5 EYE 150mm	24V
	2A Groove 5 Eye 152mm 2B Groove 5 Eye 158mm	12/24V 12/24V
	2A Groove w/Dust Cover, 152 mm 2A Groove, 145 mm, 2 wire, TM21 2A Groove, 3 Eye w/diode, 135 mm 2A Groove, 3 Eye, 135 mm 2A Groove, Spring Leaf, 125 mm	12V 12/24V 12V 12/24V 12/24V
	4PV Groove, 3 Eye, 120 mm 4PV Groove, Spring Leaf, 120 mm 6PV Groove 3 EYE 141mm W/ Packard connector 6PV Groove, 3 Eye, 120 mm 6PV Groove, Spring Leaf, 120 mm 8PV Groove w/Dust Cover, 120 mm 8PV Groove, 141 mm, 2 wire, TM21 8PV Groove, 3 Eye, 120 mm 8PV Groove, Spring Leaf, 120 mm 10PV Groove 141mm W/ Packard connector	12V 12V 12V 12/24V 12V 12V 12/24V 12/24V 12V

Can Order Manifold Fittings Separately



21-10133 Vertical 3/4 x 7/8 Oring

Horizontal 1" x 14 Tube-O **21-10134**



21-10135 Horizontal 3/4 x 7/8 Oring

Vertical 1" x 14 Tube-O **21-10137**



21-10139 Vertical 3/4 x 7/8 Oring w/R12 Ports

Vertical @ 6:00 3/4 x 7/8 Oring **21-10198**

