

Our Products Develop Tomorrow's Technologies



EDWARDS
Dry Pumps
Booster Pumps

	!DPP-40		!DPP-80		!DPP-250		!DPP-500		!DPP-1200		!DPP-40		!DPP-80		!DPP-250		!DPP-500		!DPP-80		!DPP-1200	
Pump Speed (CFM)	32.5	56.8										171.6	251.5	180.5	272	556						
Ultimate Pressure (@60Hz mTorr)	22.5	22.5																				
Max. Cont. Inlet Pressure (Torr)	750	750										15	15	15	15	0.75						
Inlet Connector	ISO40	ISO63	ISO100	ISO63	ISO100	ISO160	ISO100	ISO63	ISO160	ISO100	ISO63	ISO100	ISO100	ISO63	ISO100	ISO160						
Outlet Connector	NW40	NW40	ISO40	ISO63	ISO63	ISO100	ISO63	ISO40	ISO100	ISO63	NW40	NW40	NW40	NW40	NW40	NW40						
Warm Up Time	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.						
Max. Particle Size	0.03 mm ²	0.03 mm ²																				
Max. Water Consumption (L/h)	150	165										225	225	240	240	246						
Operation Temperature (°F)	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194						
Coolant/Water Capacity (Liters)	1.7	1.7										1.7	1.7	1.7	1.7	1.7						
Grade of Oil	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40						
Oil Capacity Coupling Cover (Liters)	N/A	N/A	N/A	1.5	1.5	2.4	1.5	1.5	2.4	1.5	1.5	1.5	1.5	1.5	1.5	2.4						
Oil Capacity Shaft Seal (Liters)	N/A	N/A	N/A	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125						
Oil Capacity Gear Case (Liters)	0.4	0.4										0.4	0.4	0.4	0.4	0.4						
Type PFPE Perfluoropolyether	Fomblin Y25 Krytox 1525 (1)	Fomblin Y25 Krytox 1525 (1)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin VVAC 1616 Krytox 1514 (2)	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15						
Vacuum Bearing Grease PFPE	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15						
Common Motor Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase						
Common Motor Voltage (VAC)	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460						
Full Load Current (amps)	8.8/4.4	16/8	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	16/8	16/8	16/8	16/8	16/8						
Max. Recommended Fuse (amps)	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20	30/20	40/20	40/20	40/20	40/20	40/20						
Nitrogen Purge Supply Pressure (PSI)	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100						
Purge Flow Rate (L/m)	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17						
Weight (lbs.)	409	475	143	172	172	345	172	172	345	172	172	688	724	761	790	990						
Length (inch) (1) frame mounted	27.4	32.7	27.5	31	31	37.7	31	31	37.7	31	31	33.25(1)	33.25(1)	37.95(1)	37.95(1)	44.52(1)						
Width (inch) (2) frame mounted	15.35	15.35	11.5	11.5	11.5	14.96	11.5	11.5	14.96	11.5	11.5	20.52(2)	20.52(2)	20.52(2)	20.52(2)	20.52(2)						
Height (inch) (3) frame mounted	23.52	23.52	10.6	9.8	9.8	12.4	9.8	9.8	12.4	9.8	9.8	39(3)	39(3)	39(3)	39(3)	41.3(3)						

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Booster Pumps

	GDP 40	GDP 80	GMB-250	GMB-500	GMB-1200	GDP 40 GMB-250	GDP 80 GMB-250	GDP 40 GMB-500	GDP 80 GMB-500	GDP 80 GMB-1200
Pump Speed (CFM)	32.5	56.8				171.6	251.5	180.5	272	556
Ultimate Pressure (@60Hz mTorr)	22.5	22.5								
Max. Cont. Inlet Pressure (Torr)	750	750				15	15	15	15	0.75
Inlet Connector	ISO40	ISO63	ISO63	ISO100	ISO160	ISO63	ISO100	ISO63	ISO100	ISO160
Outlet Connector	NW40	NW40	ISO40	ISO63	ISO100	NW40	NW40	NW40	NW40	NW40
Warm Up Time	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.	15 min.
Max. Particle Size	0.03 mm ²	0.03 mm ²								
Max. Water Consumption (L/h)	150	165				225	225	240	240	246
Operation Temperature (°F)	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194	131-194
Coolant/Water Capacity (Liters)	1.7	1.7								
Grade of Oil	SAE 40	SAE 40				SAE 40	SAE 40	SAE 40	SAE 40	SAE 40
Oil Capacity Coupling Cover (Liters)	N/A	N/A	1.5	1.5	2.4	1.5	1.5	1.5	1.5	2.4
Oil Capacity Shaft Seal (Liters)	N/A	N/A	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
Oil Capacity Gear Case (Liters)	0.4	0.4	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	0.4	0.4	0.4	0.4	1.65
Type PFPE Perfluoropolyether	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)	Fomblin Y25 Kyrex 1525 (1)
Vacuum Bearing Grease PFPE	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15	Fomblin RT15
Common Motor Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Common Motor Voltage (VAC)	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460	208/460
Full Load Current (amps)	8.8/4.4	16/8	8.8/4.4	8.8/4.4	16/8	8.8/4.4	8.8/4.4	8.8/4.4	8.8/4.4	16/8
Max. Recommended Fuse (amps)	30/20	30/20	30/20	30/20	40/20	30/20	30/20	30/20	30/20	40/20
Nitrogen Purge Supply Pressure(PSI)	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100	20-100
Purge Flow Rate (L/m)	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17
Weight (lbs.)	378	444	143	172	345	688	724	761	790	990
Length (inch) (1) frame mounted	27.4	32.7	27.5	31	37.7	33.25(1)	33.25(1)	37.95(1)	37.95(1)	44.52(1)
Width (inch) (2) frame mounted	15.35	15.35	11.5	11.5	14.96	20.52(2)	20.52(2)	20.52(2)	20.52(2)	20.52(2)
Height (inch) (3) frame mounted	21.7	20.7	10.6	9.8	12.4	39(3)	39(3)	39(3)	39(3)	41.3(3)