

flexy_n



Liquid chillers Heat pumps Free Cooling



Cooling Capacity from 3 to 63 tons

The Solution for all Industrial Cooling Applications



- Shell and tube evaporator immersed into a carbon steel cold storage tank allows energy savings and consistent temperature control.
- Electronic expansion valve (EEV);
- Brushless EC axial fans complete with protective grilles and die-cast aluminum blades;
- Wide range of Pump selections up to 100psi
- Advanced RS30 controller with LCD display and available RS485 ModBus port.
- Next Generation refrigerant; R454b as standard and natural gases available on request
- Different voltages may be built on demand
- Electrical cabinet approved and certified cULus
- NPT Connectors
- Options Include: Blygold or Epoxy condenser coatings, Precision Temperature control, Non-Ferrous water circuit, Open or Closed expansion tanks, Control Panel Cover, Heat Recovery, Remote controls, Master/Slave operations, RS485 Serial Communication, Casters, Manual Bypass, Automatic Bypass, Oil Chiller, Heat Pump, integral Free-Cooling, Water-Cooled condenser, High Ambient Air-Cooled, and more!
- Custom Designs available for OEM

FLEXY R454B		FAS015	FAS018	FAS020	FAS025	FAS028	FAS032	FAS036	FAS042	FAS051	FAS057	FAS064
Cooling capacity (1)	Ton	3.3	4.1	5.0	6.8	7.8	8.6	10.3	11.4	12.4	16.5	18.1
Electrical power consumption	[kW]	3.6	4.4	6.1	8.2	9.6	11.2	12.0	13.7	15.8	18.2	20.9
EER	Btu/h / W	11.1	11.1	10.0	10.0	9.7	9.2	10.3	10.0	9.4	10.9	10.4
Minimal Circuit Amperage (MCA)	[A]	12.7	13.8	18.2	23.7	26.1	29.6	32.6	35.0	38.2	45.7	52.0
Max Over-current Protection (MOP)	[A]	20	20	30	35	40	50	50	50	60	60	70
Water Flow at nominal conditions	gpm	7.4	9	13	18	21	23	24	30	33	44	48
Evaporator Pressure Drop	PSI	0.6	0.9	1.6	1.4	1.7	2.0	2.0	3.6	4.1	3.6	4.2
Dimensions												
Lenght	inch	34	34	34	34	34	34	34	34	34	42	42
Width	inch	60	60	60	73	73	73	73	73	73	97	97
Height	inch	66	66	6	66	66	66	66	66	66	84	84
Weight (2)	lb	904	904	904	1102	1102	1102	1102	1102	1102	1918	1918

FLEXY R545B		FAS072	FAS081	FAS096	FAS115	FAS128	FAS145	FAS150	FAS162	FAS180	FAS210	FAS230
Cooling capacity (1)	Ton	20.56	22.46	24.23	30.99	33.84	36.96	38.67	47.77	52.04	57.72	62.84
Electrical power consumption	[kW]	23.5	26.6	31	38.6	45.3	52.5	57.4	54.8	63.5	76.7	91
EER	Btu/h / W	10.50	10.13	9.38	9.64	8.96	8.45	8.08	10.46	9.83	9.03	8.29
Minimal Circuit Amperage (MCA)	[A]	53.6	64.9	67.5	83.2	95.1	98.0	111.7	115	136	145	161.8
Max Over-current Protection (MOP)	[A]	70	80	90	100	110	110	125	125	150	175	175
Water Flow at nominal conditions	gpm	49	54	64	74	81	89	92	127	120	154	167
Evaporator Pressure Drop	PSI	5.0	3.8	6.4	6.8	7.8	8.9	6.2	6.4	4.7	8.5	9.6
Dimensions												
Lenght	inch	42	42	42	55	55	55	55	55	55	55	55
Width	inch	97	97	97	127	127	127	127	160	160	160	160
Height	inch	84	84	84	87	87	87	87	87	87	87	87
Weight (2)	lb	1918	1918	1918	2998	2998	2998	2998	3263	3263	3263	3263

(1) Air cooled water chiller at working conditions 45/55F and 95F ambient according to AHRI 550 Voltage 460V 3ph 60Hz UL508a control box

(2) Empty weight, does not include fill weight of cooling fluid



RPS Cooling USA
95 Mt Read blvd #149
Rochester, NY 14611
Tel (585) 286 9083