

Model E Reciprocating Small Parallel Racks



Model E Reciprocating Small Parallel Racks (Two- to three-parallel, 13HP - 45HP)

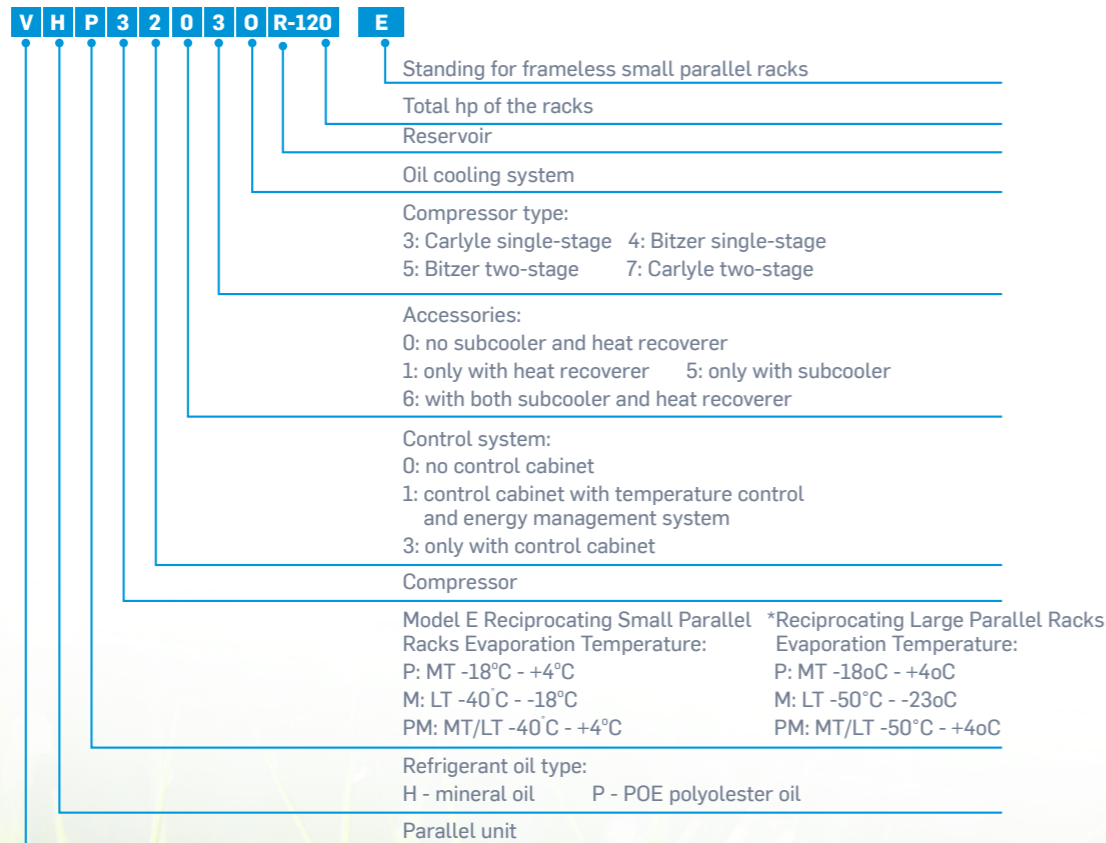
Customer Value

- Applicable for multiple refrigerants and scenarios
- Numerous non-standard customization for various sites
- High energy efficiency, reducing operating costs
- The racks supports VFD drives for more efficient energy regulation
- Reliable operation, safe and stable
- System with good oil return and long service life
- Compact structure, small footprint

Benefits at a Glance

- Adopting the 06D small cooling capacity compressor, smaller overall capacity (13HP - 45HP)
- Frameless, compact design, small footprint
- Standard oil return system with oil pumps ensures stable lubrication of the system, extending the compressor's service life.
- Dixell controller for better fulfilling capacity adjustment needs (optional)

Naming Rule and Parameters of Model E Reciprocating Small and Large Parallel Racks



Standard Configuration Options

- Compressor
- Crankcase heater
- LT rack rack head fan
- Low-pressure controller
- Oil balancer
- Exhaust stop valve
- Return stop valve
- Oil pressure switch
- Gas-liquid separator
- Storage-type oil separator
- Horizontal reservoir
- Filter drier
- Liquid supply ball valve
- Liquid return ball valve
- Moisture sight glass
- Single safety valve
- High pressure guage
- Low pressure guage
- Condensing pressure switch
- Electronic regulator
- Discharge line muffler
- Accessory pack
- Condensing pressure control

Note: The accessory pack contains: return air filter, return air filter cartridge, exhaust ball valve and return air ball valve, one for each.

Model E Reciprocating Parallel Racks (R404A)

LT Racks

Rack Models	Compressor Configuration Models and Number	Evaporating Temperature: -37°C		Evaporating Temperature: -35°C		Evaporating Temperature: -30°C	
		Cooling Capacity Q(kW)	Input Power P(kW)	Cooling Capacity Q(kW)	Input Power P(kW)	Cooling Capacity Q(kW)	Input Power P(kW)
VPM2203OR-13E	2*06DR725	7.48	6.4	8.72	7.02	12.28	8.58
VPM2203OR-15E	2*06DR228	10.18	8.28	11.78	9.08	16.18	11.4
VPM2203OR-20E	2*06DR337	14.94	11.96	16.64	12.78	21.54	14.96
VPM2203OR-30E	2*06DR541	23.7	17.2	18.08	14.98	23.7	17.2
VPM3203OR-30E	3*06DR337	22.41	17.94	24.96	19.17	32.31	22.44
VPM3203OR-45E	3*06DR541	35.55	25.8	27.12	22.47	35.55	25.8

MT Racks

Rack Models	Compressor Configuration Models and Number	Evaporating Temperature: -12°C		Evaporating Temperature: -10°C		Evaporating Temperature: -5°C	
		Cooling Capacity Q(kW)	Input Power P(kW)	Cooling Capacity Q(kW)	Input Power P(kW)	Cooling Capacity Q(kW)	Input Power P(kW)
VPP2203OR-15E	2*06DA825	27.28	13.72	30.28	14.26	38.68	15.44
VPP2203OR-20E	2*06DA328	33.86	16.74	37.22	17.28	46.66	18.48
VPP2203OR-30E	2*06DA537	47.26	22.82	51.72	23.62	64.14	25.4
VPP3203OR-35E	2*06DA328+06DA537	57.49	28.15	63.08	29.09	78.73	31.18
VPP3203OR-40E	06DA328+2*06DA537	64.19	31.19	70.33	32.26	87.47	34.64
VPP3203OR-45E	3*06DA537	70.89	34.23	77.58	35.43	96.21	38.1

1) The cooling capacity and input power of all racks are based on the condensing temperature of +45°C, liquid without subcooling.
 2) Power supply for the racks: three-phase 380V/50Hz
 3) Optional refrigerant: R448/R449/R404A
 4) Height and weight calculation of LT includes head fans.
 5) Excluding freight.