

Customer satisfaction is our principle objective.

We offer you best in class indigenous product with global standard quality.

We value your growth by controlling project costs.

We respect your time by providing efficient deliveries and swift service.

We regard your efforts by providing easily serviceable modular installation concepts.

ENZO EVAPORATORS. THE PROVEN PERFORMER.



RISHABH ENTERPRISES HVAC&R PVT. LTD.

Innovative Solutions
through Energy Efficient Technologies
www.rishabhenterprises.in



AN **RE** PRODUCT

EVAPORATORS



1

Advantages

- Compact design
- Optimised casing dimensions for transport and storage
- Easy to clean
- Electrical defrost, factory-fitted or as a heating set for installation by customer

2

Inspection and cleaning

- Easy access to all components
- Heat exchanger can be cleaned from three sides
- Hinged inner and outer trays
- Outer tray is thermally decoupled to prevent water condensation



Vaccines



Food & Vegetables



Pharmaceuticals



Dairy



Ice-Cream



Poultry & Fisheries



IP65 Terminal Connector

Heavy duty hinges for longer and safer life



Customisable Casing –
Al / GI Powder Coated or SS 304 Casing

Units Customisable with
EBM Papst or Zeihl Abbegg Fans

ebmpapst

ZIEHL-ABEGG

3

Easy mounting

- Hinged side cover for opening
- Hinges allow hang-out
- Ceiling mounting brackets with slotted hole
- Schrader valve at outlet
- Easy access to all components

4

HACCP hygiene certificate

- All materials used are food-safe
- All components are easy to clean
- Visual inspection of the entire unit possible
- Support bracket flush with upper surface of casing

Suitable applications

- Commercial refrigeration Industrial refrigeration
- Storage rooms and many types of cold storage rooms with low and medium humidity
- Room temperatures +20 to -28 °C



ENZO Chiller Series

Category	P R IDU Model No.	PR- Actual Capacity (kW)	PR- Fans (mm)	Fans- Qty	Speed Per Fan (RPM)	Power Consumption per total in W	PR-AirFlow (m ³ /h)	PR- Exchanger Area (m ²)	PR-Coil Internal Volume (l)
Positive Temp (+2 to +4 deg C)	PRL1.5/301	1.25	300	1	1380	70	1490	3.41	0.8
	PRL2.2/301	2.03	300	1	1380	70	1260	6.82	1.7
	PRL3.5/302	3.44	300	2	1380	140	2720	10.25	2.5
	PRL4.3/302	4.13	300	2	1380	140	2510	13.66	3.3
	PRL6/302	4.64	300	2	1380	140	2350	17.07	4.1
	PRL5.5/303	5.2	300	3	1380	210	4100	15.36	3.7
	PRL 7/303	6.18	300	3	1380	210	3790	20.49	5
	PRL 7/402	7.47	400	2	1430	320	5230	21.23	5.1
	PRL8.6/402	8.43	400	2	1430	320	4830	26.48	6.3
	PRL12/403	11	400	3	1430	480	7860	31.85	7.7
	PRL14/403	12.75	400	3	1430	480	7250	39.82	9.6
	PRL16/404	15.21	400	4	1430	640	10460	42.48	10.3
	PRL12/453	11.98	450	3	1350	750	8700	22.84	5.5
	PRL12/502	12.62	500	2	1320	760	10150	40.81	9.9
	PRL16/502	15.98	500	2	1320	760	9480	51.01	12.4
	PRL20/503	19.8	500	3	1320	1140	15300	61.21	14.8
	PRL24/503	22.97	500	3	1320	1140	14170	76.52	18.5
	PRL28/504	27.42	500	4	1320	1520	20290	81.62	19.8
	PRL24/602	23.4	600	2	1360	1400	15600	68.54	16.6
PRL28/603	28.2	600	3	1360	2100	24450	77.11	18.7	
PRL36/603	35.07	600	3	1360	2100	22550	128.52	31.1	

*Medium Temperature application R404a SST -8°C & RT 0°C, Fin Spacing 4mm (6FPI)

Correction Factor

	R404a	R134a	R22	R407C	R507A
PRL Model	1	0.89	1.03	1.02	1.02

Our Strength : ENZO Evaporators. The heat exchanger are at the cutting edge of contemporary refrigeration design and process driven manufacturing.

The evolution has led to the product development that provides:

- Maximum Efficiency through optimized mass flow design.
- Material & Components specified to World Class Standards.
- Longer life through appropriate material selection and robust construction.

Heat exchangers : The air coolers are equipped with a staggered tube system, internally grooved tubes and specially pressed fins. Optimised fin systems and adapted pipe circuiting offer safe operation and high efficiency.

Casing

- Corrosion-resistant aluminium alloy AIMg
- Powder coating in RAL 9003
- Stainless steel ceiling mounting bracket
- Options with GI / SS Casing

High-quality tray design

- Corrosion-resistant aluminium alloy AIMg
- Powder coating in RAL 9003
- Hinged inner and outer trays

Top-quality fans

- Standard EC and AC fans available
- ErP-compliant
- Motor protection with thermocontacts
- 50 or 60 Hz
- Customisable with EBM Papst or Zeihl Abbegg

Options / Accessories

- Electric defrost heater for coils and trays
- EC fans
- AC fans
- Heating kit for retrofitting

ENZO Freeze Series

Category	PR- IDU Model	PR- Capacity (kW)	PR- Fans (mm x Qty)	Power Consumption per total in W	PR- Exchanger Area (m ²)	PR-Coil Internal Volume (l)	PR- Airflow (m ³ /h)
Negative Temp (-18 to -25 deg C)	PRD1.1/301H	0.94	300 x 1	70	4.32	1.1	1445
	PRD1.4/301H	1.25	300 x 1	70	5.77	1.6	1345
	PRD2.3/302H	2.12	300 x 2	140	8.63	2.3	2890
	PRD3/302H	2.55	300 x 2	140	11.54	3.1	2700
	PRD3.8/303H	3.88	300 x 3	210	17.32	4.7	4050
	PRD4.6/402H	4.66	400 x 2	320	17.97	4.9	5620
	PRD5.1/303H	4.4	300 x 3	210	21.68	5.9	4340
	PRD5.6/402H	5.41	400 x 2	320	22.51	6.2	5210
	PRD7.5/403H	7.15	400 x 3	480	26.97	7.4	8380
	PRD7.5/502H	7.54	500 x 2	760	25.92	7.1	11500
	PRD8/403H	8.12	400 x 3	480	33.77	9.3	7820
	PRD8.5/502H	8.55	500 x 2	760	34.62	9.6	10780
	PRD9.5/502H	9.27	500 x 2	760	34.61	9.6	10780
	PRD12/502H	11.44	500 x 2	760	52.01	14.5	10560
	PRD13.5/503H	13.47	500 x 3	1140	51.92	14.4	16100
	PRD14.5/503H	14.55	500 x 3	1140	64.96	18.1	15150
PRD16/503H	16.06	500 x 3	1140	64.98	18	15150	

PRD Model: Low Temperature Application SST: -25°C RT: -18°C Fin Spacing: 5FPI Refrigerant: R404a

Correction Factor

	R404a	R134a	R22	R407C	R507A
PRD Model	1	0.84	0.96	1.29	1



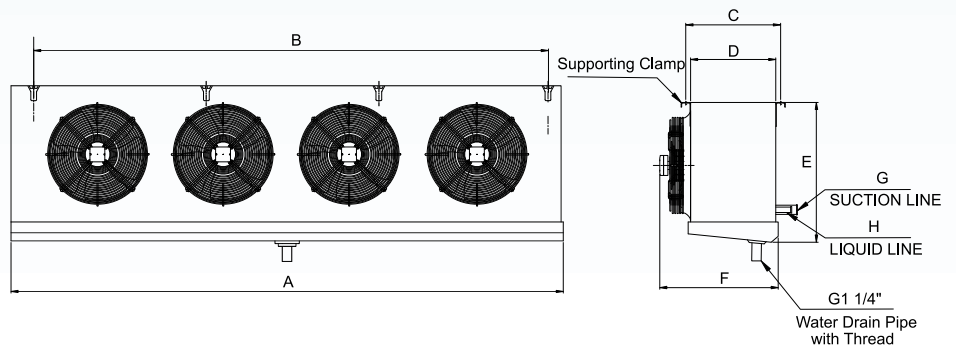
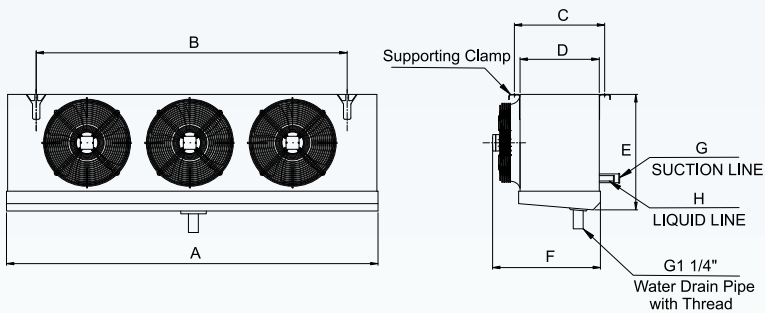
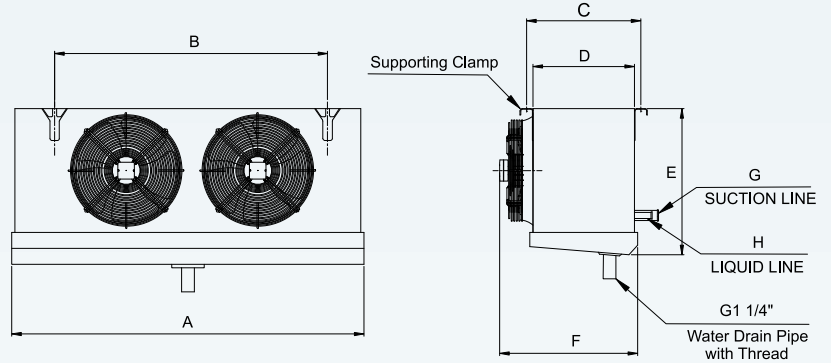
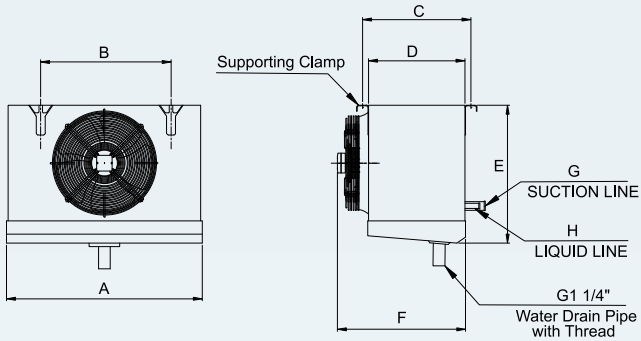
Specifications:-

- Copper Tube & Aluminum Fins for different HFC Refrigerants
- Fin Spacing available from 4FPI to 6 FPI for Chiller & Frozen Applications
- Casing Options available for SS, GI & Aluminum Powder Coated
- BTS (Built To Suit) Units with different Fan size and type according to application

Nomenclature:

P R L 6 / 30 2 - X X

- 8th Place** : S- Stainless Steel Body, AL- Aluminum Body, G- GI Powder Coated Body
- 7th Place** : H- With Electric Defrost, A- Air Defrost
- 7th Place** : No. of Fans: 2 meaning 2 Fans
- 5th & 6th Place** : 30 : 300MM Axial Fan Size / 40 : 400MM Axial Fan
- 4th Digit** : Capacity in kW @ Standard Euroveat Conditions
- First 3 Digits : Product Series** : PRL – Commercial Chiller Applications, PRD- Commercial Freezer Applications



Fans (mm x Qty)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G	H
300 x 1	660	410	380	325	465	435	5 / 8"	1 / 2"
300 x 2	1110	860	360	320	460	435	7 / 8"	5 / 8"
300 x 3	1500	1255	365	320	465	435	7 / 8"	5 / 8"
400 x 2	1270	1070	400	360	600	500	1 1 / 8"	7 / 8"
400 x 3	1815	1565	400	360	600	500	1 1 / 8"	7 / 8"
400 x 4	2260	2070	400	360	600	500	1 1 / 8"	7 / 8"
450 x 3	1815	1565	400	360	600	500	1 1 / 8"	7 / 8"
500 x 2	1700	1430	405	455	815	535	1 1 / 8"	7 / 8"
500 x 3	2370	2130	405	455	815	535	1 3 / 8"	1 1 / 8"
500 x 4	3050	2830	405	455	815	535	1 3 / 8"	1 1 / 8"
600 x 2	2080	1859	570	505	1005	640	1 3 / 8"	1 1 / 8"
600 x 3	2993	2773	570	505	1005	640	1 3 / 8"	1 1 / 8"



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