

# PROPANEPACK SYSTEM



CE TÜV AUSTRIA TSE CE 0408

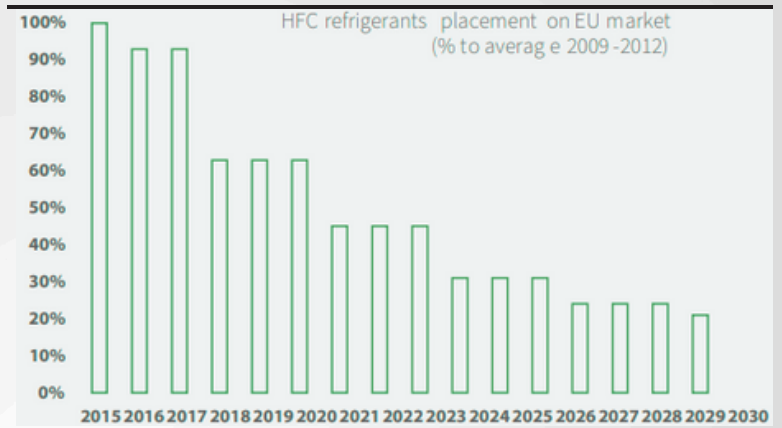


**IBS**  
Cooling Systems  
[www.ibs.com.tr](http://www.ibs.com.tr)

IBS has produced numerous HFC packs, condensing units and system installation since 1993. Unit production is continuously developed with closely following the new developments in the world by the engineering infrastructure since its establishment. PROPANE series has been presented to our customer use as a result of the studies and tests on PROPANE systems since 2013. Production of PROPANE series made with production skills gained from HFC unit production for many years and using the latest equipment specially developed for PROPANE applications.

HFC refrigerants traditionally used in chillers and heat pumps are subject to phase down in EU, US, China and other countries due to high GWP (Global warming potential) value. The goal is to decrease CO2 equivalent. The total HFC placement on the EU market will be gradually reduced to 31% of the baseline (average placement in 2009-2012) in 2024. The owners of HFC charged chillers will face:

- Higher taxes for refrigerant charge
- Higher fees for leakages
- Higher refrigerant prices
- Higher components cost



### STANDART CONFIGURATION

- Hermetic compressors
- Microchannel condensers
- Brazed plate evaporators and superheaters

### OIL MANAGEMENT

The oil in the system is controlled by the static balancing of the oil in the crankcase of the compressors by the oil balancing pipes. It is aimed to minimize the gas in the system without using an extra oil separator.



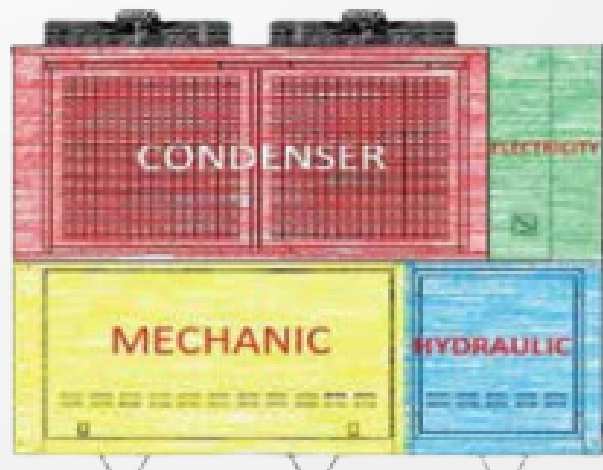
MODEL	COMPRESSOR		FAN			ELECTRICAL			CONNECTIONS			CABIN
	MODEL	KW	DIAMETER	QTY.	SPEED	VOLTAGE	MAX. CURR.	MAX. POWER	SUCT.	LIQUID	QTY.	
SCROLL	COPELAND											
IMP-SM21-B014CD	ZB25KCU-TFMN ZB31KCU-TFMN	13,6	500	2	940 rpm	380V/3PH/50HZ	14,6	5,29 kW	35	16	1	S20
IMP-SM21-B027CD	2 QTY. YB56K1G-TFD	27,4	500	3	940 rpm	380V/3PH/50HZ	36,9	11,38 kW	35	18	1	S30
IMP-SM21-B040CD	2 QTY. YB81K1G-TFD	40,2	500	4	940 rpm	380V/3PH/50HZ	55,2	17,20 kW	42	22	1	S40
IMP-SM21-B048CD	2 QTY. YB97K1G-TFD	48,2	800	2	880 rpm	380V/3PH/50HZ	70,2	21,58 kW	54	28	1	V2

MODEL	COMPRESSOR	CAPACITY (Watt)							CABIN	
	MODEL	-30	-25	-20	-15	-10	-5	0		
SCROLL	COPELAND									
IMP-SM21-B014CD	ZB25KCU-TFMN ZB31KCU-TFMN	5,1	6,48	8,21	10,23	12,58	15,31	18,4	S20	
IMP-SM21-B027CD	2 QTY. YB56K1G-TFD			16,14	20,3	25,2	30,7	37,4	S30	
IMP-SM21-B040CD	2 QTY. YB81K1G-TFD			22,4	29,1	36,8	45,6	55,2	S40	
IMP-SM21-B048CD	2 QTY. YB97K1G-TFD			26,7	35,7	44,2	54,6	66,2	V2	

## CABIN DESIGN

The design of cabin has been separated to the four parts to allow authorized person's to intervene in their branches.

- Mechanical Side which only includes R290 (Propane)
- Air Cooled Microchannel Condenser
- Electrical Box
- Hydraulic Kit



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