

IZUMI
AIR CONDITIONER



GRAIN COOLER

IZUMI CORPORATION, TOKYO, JAPAN

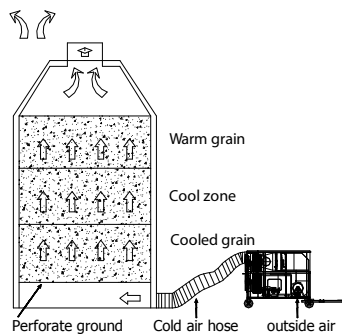
STANDARD SPECIFICATION

- Casing construction
 - The unit is designed for outdoor use with :
 - Hot-dip galvanized structural steel as base frame to assure the long anti-rust duration
 - Panels are made from electro-galvanized steel sheet and coated with an epoxy baked powder paint for good and durable weatherproof finishing
 - Electrical control board is in the weatherproof box
- Compressor type
 - Semi-hermetic reciprocating with unloader
- Condenser fan
 - With variable speed control to ensure optimal operation either at low or high ambient temperature
- Evaporator fan
 - With variable speed control to ensure constant temperature of chilled air at desired pressure drop
- Capacity regulating valve to maintain the evaporating temperature
- Re-Heater coil
 - With automatic refrigerant feeder to maintain the outlet air temperature
- Micro processor control with designed software to program the unit operation

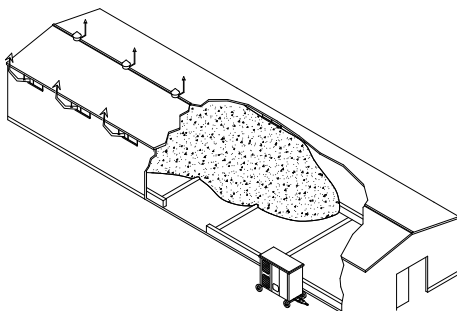


COOLING IN A SILO

Exhaust fan to avoid condensation in cold weather



COOLING IN A WAREHOUSE



Technical Specification

GRAIN COOLER TYPE	IZCS-20-IKW-5	IZCS-30-IKW-5	IZCS- 40-IKW-5	IZCS- 50-IKW-5
Cooling performance in 24 hours** (ton/day)	200-330	250-400	350-550	450-650
Flow volume of cold air at a static counter-pressure of: unit characteristic curve				
100 mm W.G.	9,400 m ³ /h	13,200 m ³ /h	17,200 m ³ /h	21,800 m ³ /h
200 mm W.G.	8,400 m ³ /h	11,800 m ³ /h	15,500 m ³ /h	19,600 m ³ /h
300 mm W.G.	5,800 m ³ /h	10,000 m ³ /h	13,400 m ³ /h	17,200 m ³ /h
Compressor cooling capacity (nominal)				
0 °C / + 30 °C evaporating/ condensing temp	66 KW	103 KW	132 KW	140 KW
0 °C / +40 °C evaporating/ condensing temp	58 KW	88 KW	116 KW	132 KW
0 °C / + 50 °C evaporating/ condensing temp	50 KW	75 KW	100 KW	115 KW
Refrigerant	Standard R-22, Option R407C			
Connected load	380 V / 3 PH / 50 Hz	380 V / 3 PH / 50 Hz	380 V / 3 PH / 50 Hz	380 V / 3 PH / 50 Hz
Compressor	15 KW	22.5 KW	30 KW	37.5 KW
Cold air fan	7.5 KW	11 KW	15 KW	18.5 KW
Condenser fan	0.5 KW x 2 SETS	0.5 KW x 4 SETS	0.75 KW x 4 SETS	1.5 KW x 4 SETS
Power input	28 KW	41 KW	60 KW	73 KW
Connected load at start up P _{max} .	36 KW	54 KW	78 KW	95 KW
Electrical connection (A)*	80	125	150	200
Chilled air outlet	300 mm	400 mm	400 mm	500 mm
Dimensions	with rubber types	with rubber types	with rubber types	with rubber types
length	4,236 mm	4,236 m m	4,236 m m	4,460 mm
width	1,294 mm	2,100 m m	2,100 m m	2,500 mm
height	2,040 mm	2,234 m m	2,234 m m	2,234 mm
Weights	1,420 kg	2,250 kg	2,350 kg	2,550 kg

Remark

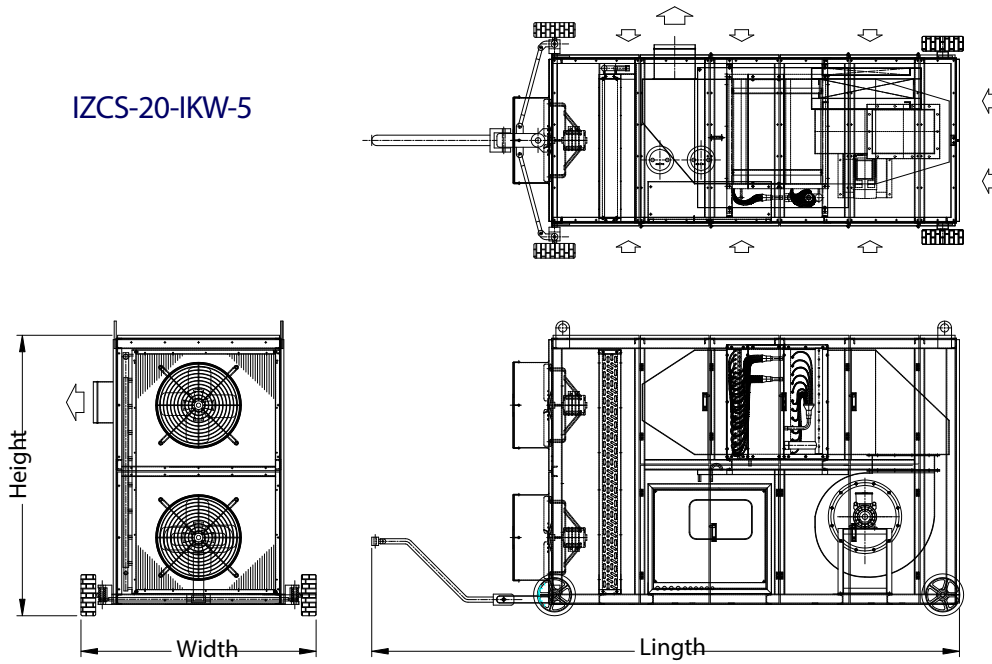
** Grain cooling to 10 C

At an average outside temperature (day's median) of 20C. an average relative air humidity (outside) of 52% and an average grain moisture of 16% up to maximum capacity under favourable conditions and at 1000 Pa counter register

* acc CEE

DIMENSION

IZCS-20-IKW-5



IZCS-30-IKW-5 To IZCS-50-IKW-5

