

## **ENGINEERING DATA SHEET** CCN: 47825235001

## **GDK11 TAS**

ECN: 1491576 Sheet: 2 of 5 Date: 2023.07

Internation Contemple Processor   Inte	Model			GDK11-7A TAS	GDK11-8A TAS	GDK11-10A TAS	GDK11-12.5A TAS
State   Stat	GENERAL PERFORMANCE DATA						
Statement Principle  Assignment Principle  A			barg		8	10	
Comment   Comm	Maximum Operating Pressure	(2)	barg	7.2			
The common processing Processin							
Lasebums Paringenium Setting	Minimum Operating Ambient Temperature		°C				
An Market Discovery  An Architect Discovery  An	Maximum System Temperature Setting		°C				
Application   FAL   Control	Nominal Power - Main Motor	(3)					
18-08-08-PMORP PROPERATION COOKED   100-08-PMORP PROPERATION COOKED   10	Main Motor Elliciency		70	31.270	31.270	31276	31.276
Package Proper with Friend Prove A Cooked   11	Capacity FAD		m³/min				
1000   1000	Package Input Power with Fan - Air Cooled		kW	13.4	13.4	13.1	13.2
	Specific Power - Air Cooled	(4)(5)	kW/m³/min		8.5		
Sourch Pressure	Specific Power with Dryer - Air Cooled	(4)(5)					
Science   Scie	SOUND LEVEL	(6)					
Column   C	Noise Level Standard Package - Air Cooled Noise Level Standard Package - Air Cooled						81
Water   March   Marc	OIL CARRY OVER		mq/m³	≪5	≪5	≪5	≤5
Pear	COOLING DATA (@ Maximum Ambient Temperature	& Maximum Discharge		40.0	10.0	40.0	40.0
Tan Air Flow mYmin 38.4 38.4 38.4 38.4 38.4 38.4 38.4 38.4	Heat Removal (Oil Cooler) Heat Removal (Oil and Aftercooler)						
C	Permitted Additional Static Pressure		Pa	30	30	30	30
Aller Rottor CTD	Fan Air Flow		m³/min	35.4	35.4	35.4	35.4
RPM   Sept   S	Cooling Air Temperature Rise @ 40°C		°C	16	16	16	16
Mails Rotor Speed   RPM	Aftercooler CTD	(7)	°C	10	10	10	10
Mails Rotor Speed   RPM	AIR END DATA						
Time   Proposed   Find   Proposed   Find   Proposed   Find   Proposed   Find			RPM	6600	6300	5750	5100
Pires   4.5   4.	Tip Speed Rotor		m/sec				
Pinc Connections   19	Full Load Shaft Power		kW	10.98	11.07	11.2	11.2
Part	COOLANT LOBRICATION DATA	(12)	line.	4.5	4.5	4.5	4.5
Inches Ro	Total Coolant Capacity - Air Cooled		nues	7.0	4.5	7.5	4.0
Dockmart Drian - Hose Size   Inches UNF   0.582(FEMALE)   0.	PIPING CONNECTIONS	(B)		A 75 BIOU (FEMALE)	O 75 BIOLIVEENALES	o ze bioli (EEMALE), o	TE BUOLI (EENA) E
Displacement of Power Inlet				0.75 INCH (FEMALE) 0.562(FEMALE)	0.75 INCH (FEMALE) 0.562(FEMALE)	0.75 INCH (FEMALE) 0 0.562(FEMALE)	
mm	Diameter of Power Inlet		mm (Inches)				
Main Motor Locked Rotor Current   Main	DIMENSIONS AND WEIGHT						
A Drawing Number - Air Cooled   47825235001   4782523500	Length, Width, Height		mm	1576, 844,1644	1576, 844,1644	1576, 844,1644	1576, 844,164
Case   Part	Net Weight - Air Cooled		kg				
Intercont   Inte	GA Drawing Number - Air Cooled			47625235001	47825235001	47625235001	47020230001
Main Motor Locked Rotor Current	LLECTRICAL DATA	[13]		0005	2025	2005	0005
Naming   Node   Naming   Nam			rpm	2935 TEEC IP55	2935 TEEC IP55	2935 TEEC <b>I</b> P55	2935 TEEC IP55
Amps @ 380V 21 21 21 21 21 21  Amps @ 380V 203 203 203 203 203  Package Power Factor	Starting Model			Y-/\	Y-∆	Y-^	Y-∆
Amps @ 380V 21 21 21 21 21 21  Amin Motor Locked Rotor Current (14)  Amps @ 380V 203 203 203 203 203  Package Power Factor 0,89 0,89 0,89 0,89 0,89 0,89 0,89 0,89	Insulation Grade			F	F	F	F
Amps @ 380V 21 21 21 21 21 21 21 21 21 21 21 21 21	Full Load Package Current - Air Cooled	(9)					
Amps @ 380V 203 203 203 203 203 203 203 203 203 203	Tall Load Tackage Current - All Cooled						
Amps @ 380V 203 203 203 203 203 Package Power Factor 0,89 0.89 0.89 0.89 0.89 0.89 0.89 Package Power Factor 10,89 0.89 0.89 0.89 0.89 0.89 0.89 Package Power Factor 10,89 0.89 0.89 0.89 0.89 0.89 Package Installation 10 10 10 10 10 10 10 10 10 10 10 10 10			Amps @ 380V	21	21	21	21
Amps @ 380V 203 203 203 203 203 Package Power Factor 0,89 0.89 0.89 0.89 0.89 0.89 0.89 Package Power Factor 10,89 0.89 0.89 0.89 0.89 0.89 0.89 Package Power Factor 10,89 0.89 0.89 0.89 0.89 0.89 Package Installation 10 10 10 10 10 10 10 10 10 10 10 10 10	Main Motor Locked Rotor Current	[14]					
Package Power Factor 0,89 0,89 0,89 0,89 0,89 0,89 0,89 0,89	main motor Locked Rotor Current						
Interface   Inte			Amps @ 380V	203	203	203	203
Maximum Recommended Supply Cable Size	Package Power Factor			0.89	0.89	0.89	0.89
Maximum Recommended Supply Cable Size	Flectrical Installation						
Asximum Recommended Fuse Rating	Recommended Supply Cable Size	[10]					
Amps @ 380V 50 50 50 50 50  Refrigerated Dryer Data Refrigerant Type-Domestic R134a R134a R134a R134a R146 Refrigerant Type-Export R409a R			mm²/Cu (Kcmil) @ 380V	10	10	10	10
Amps @ 380V 50 50 50 50 50  Refrigerated Dryer Data Refrigerant Type-Domestic R134a R134a R134a R134a R146 Refrigerant Type-Export R409a R		(10)(11)					
Refrigerated Dryer Data Refrigerant Type-Domestic R134a R134	Maximum Recommended Fuse Rating	(10)(11)					
Refrigerant Type-Domestic         R134a         R134a         R134a         R134a         R134a         R134a         R140a         R404a         R4			Amps @ 380V	50	50	50	50
Kefrigerant Quantity         kg         0,25         0,25         0,25         0,25         0,25         2,25         2,25         2,25         2,25         2,25         2,25         3,33         3,33         3,33         3,33         3,33         3,33         3,33         3,33         3,33         3,33         3,33         3,33         3,34         1,25 <td>Refrigerant Type-Domestic</td> <td></td> <td></td> <td>R134a</td> <td>R134a</td> <td>R134a</td> <td>R134a</td>	Refrigerant Type-Domestic			R134a	R134a	R134a	R134a
na Air Flow m³/min 33 33 33 33 33 33 33 33 33 33 33 33 33	Refrigerant Type-Export		t				
ISO Class Particles Humidity and Liquid Water Total C Filter Data (Particles Humidity and Liquid Water, Oil) [01-0.5µm] [0,5-1µm [1-5µm]							
ilter Data (Particles Humidity and Liquid Water. Oil) [01-0.5μm] 0.5-1μm [1-5μm]							
SO Class Data (16) 1,6.1 \$\frac{100000}{20000} \leq 400 \leq 10 \leq +10\tau \leq 0.00	Filter Data	(Particles Humidity and	ISO Class Liquid Water, Oil)	[01=0.5um]		Humidity and Liquid W	ater Total Oil
	ISO Class Data	(16)	1.6.1	≤20000		≤+10°C	≤0.01

- FAD (Free Air Delivery) is full package performance including all losses. Tested per ISO 1217: 2009 Annex C
  Maximum pressure at package discharge, value at which compressor will stop when unit operating at maximum target pressure
  IE3 efficiency motor
  Measured in trated capacity and rated pressure
  Specific power guaranteed in accordance with ISO 1217: 2009 Annex C
  Measured in free field conditions per ISO 2151 using Hemispherical Method; ducted intext and outlet, with + 3 dB(A) tolerance
  CTD based on 100°F;38°C intext air at 40% Retailse Humidity (For alternate conditions contact Ingersoll Rand)
  RC Thread for domestic standard
  Maximum current includes 5% additional current due to fouled filters and elements
  90°C copper cables, Always apply local electrical codes for sizing cables and system protection
  Time delay lose recommended. Apply local electrical codes for sizing cables and system protection
  Time delay lose recommended. Apply local electrical codes for lose sizing
  Coolant volumes listed are approximate. See operator manual for coolant fill proceedure
  50Hz (12%) motor vollage tolerance: (3801)\*FS;
  Star-Della starting current innush is about 33% of direct starting current value could instantaneously peak from 1.8 to 2.8 times the noted Locked-Rotor-Amperage (LRA) values
  TAS units deliver ISO Class I—2 quality air measured at steady state conditions in accordance with ISO 8573-1;2010, with inlet air to package of 25°C (77°F\*) and RII of 69% Package discharge pressure-rated pressure-0.5bar(include water moisture. Hi-efficiency filter, dryer and tube pressure drop)